**10**

# Technology and Livelihood Education

## Quarter 1 - Module 2
## Operate CAD Software and Computer Hardware
(Exploring CAD Working Environment)

**Technical Drafting NC II**

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# Technology and Livelihood Education

## Quarter 1 - Module 2
## Operate CAD Software and Computer Hardware
(Exploring CAD Working Environment)

**Technical Drafting NC II**

**DepED**
DEPARTMENT OF EDUCATION

**ICT-Technical Drafting – Grade 10**
**Alternative Delivery Mode**
**Quarter 1 – Module 2: Operate CAD Software and Computer Hardware**
(Exploring CAD Working Environment)

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# Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLMS is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you need to proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and test. And read the instructions carefully before performing each task.

If you have questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.

***Notes to the Teacher***

This contains helpful tips or strategies that will help you in guiding the learner.

For the facilitator:

Hi, as a facilitator you are expected to orient the learners on how to use this module. You also need to keep track of the learners' progress while allowing them to manage their own learning. Kindly, advise the learner's parents or guardians of the same procedure since they will be the primary supporters in the learners' progress. Please, do not forget to remind the learner to use separate sheets in answering all of the activities found in the learning module

For the learner:

Hello learner, Welcome to the Technical Drafting NC II Alternative Delivery Mode (ADM) Module on Exploring CAD Working Environment. I hope you are ready to progress in your Grade 10 TLE in Technical Drafting with this learning module. This is designed to provide you with interactive tasks to further develop the desired learning competencies prescribed in our curriculum. With this, you are expected to appreciate staking through the information and activity given.

This module has the following parts and corresponding icons:

| ICON | LABEL | DETAIL |
|---|---|---|
| | What I Need to Know | This contains the learning objectives which you need to accomplish. |
| | What I know | This evaluates what you know about the lesson you are to learn. |
| | What's In | This connects the current lesson with a topic necessary in your understanding. |
| | What's New | This introduces the lesson through an activity. |
| | What Is It | This contains a brief discussion of the learning module lesson. |
| | What's More | These are activities to check your understanding of the lesson. |
| | What I have Learned | This summarizes the important ideas presented in the lesson. |
| | What I Can Do | This is a real-life application of what you have learned. |
| | Assessment | This is a post assessment of what you have learned. |
| | Additional Activity | This is an activity that will strengthen your knowledge about the lesson. |

At the end of this module you will also find:

| | |
|---|---|
| References | This is a list of all sources used in developing this module. |

# TABLE OF CONTENTS

# Exploring CAD Working Environment

The following are some reminders in using this module:

1. Use the module with care. Do not put unnecessary mark/s on any part of the module. Use a separate sheet of paper in answering the exercises.
2. Don't forget to answer *What I Know* before moving on to the other activities included in the module.
3. Read the instruction carefully before doing each task.
4. Observe honesty and integrity in doing the tasks and checking your answers.
5. Finish the task at hand before proceeding to the next.
6. Return this module to your teacher/facilitator once you are through with it.

If you encounter any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator. Always bear in mind that you are not alone.

We hope that through this material, you will experience meaningful learning and gain deep understanding of the relevant competencies. You can do it!

# *What I Need to Know*

This module was designed and written to guide you to acquire the learning competencies and develop your skills in exploring CAD working environment in ICT-Technical Drafting. The scope of this module permits it to be used in many different learning situations. The language used recognizes the diverse vocabulary level of students. The lessons are arranged to follow the standard sequence of the course. However, the order in which you read the module can be changed to correspond with the textbook you are now using.

| | |
|---|---|
| Quarter/Week | Q1/W2 |
| Learning Competency Code | TLE_ICTTD9-12CA-Ia-b-1 |
| Learning Competency | **LO 1. Operate CAD software and computer hardware**<br>1.2 Explore CAD working environment |

**Learning Objectives:**
After going through this module, you are expected to:
1. identify the parts of AutoCAD working environment to its functions;
2. create a storyboard of the different parts of AutoCAD working environment; and,
3. develop traits such as ingenuity, resourcefulness, creativity, independence, and passion towards learning.

# *What I Know*

**Pretest**
**Multiple Choice.**
**Directions:** Choose the letter of the best answer. Write the chosen letter on the separate sheet of paper.

1. What is the tool that is located along the top of the application window, above the ribbon and provides direct access to common or defined set of commands?
   A. Ribbon
   C. Menu Bar
   C. Menu Browser
   D. Quick Access Toolbar
2. It is a tool that allows you to search for a data or document in a help file or to web.
   A. Ribbon
   B. Menu Bar
   C. File Name
   D. Search Bar
3. It is where you enter the commands from the keyboard and where the prompts are displayed.
   A. Status Bar
   B. Search Bar
   C. Layout Tab
   D. Command Line Bar
4. Which of the following is found at the bottom left hand corner of the AutoCAD drawing window?
   A. ABS
   B. UCS
   C. WCS
   D. WUS
5. It is a tool that can be used to create new objects such as lines and circles.
   A. Ribbon
   B. Dimensions
   C. Draw Toolbar
   D. Modify Toolbar
6. What is the default filename of AutoCAD?
   A. .dwg
   B. .docx
   C. .png
   D. .pptx
7. What is the user interface element which you can access both unified and product-specific navigation tools?
   A. Status Bar
   B. Layout Tab
   C. Navigation Bar
   D. Command line bar
8. Who developed and founded AutoCAD?
   A. John Walk
   B. Jonny Walker
   C. John Walker
   D. John Walking
9. Which of the following provides access to Model Spac and each Layout in each document?
   A. Layout Tab
   B. Status Bar
   C. Navigation Bar
   D. Command Line Bar
10. It is a type of cursor consisting of two lines that intersect and are used to locate points and selects objects in your drawing.

   A. Crosshair                              C. Pan
   B. Mouse                                D. Pointer

11. It is a tool that switches the current workspace to a different one, with its own set of toolbars, palettes, and ribbon panels.
   A. Status Bar                       C. User Coordinate System
   B. Workplace switching          D. World Coordinate System

12. How do you Save your drawing?
   A. Press CTRL + S
   B. Go to ribbon and look for save icon.
   C. Ask your teacher to save your drawing.
   D. Just close your drawing it will automatically save.

13. Which of the following statement is true?
   A. AutoCAD was founded in 1980.
   B. AutoCAD has only 5 versions.
   C. AutoCAD has also created mobile and cloud-based apps.
   D. AutoCAD was launched at the COMDEX trade show in California.

14. It is the name of the current file you are working on.
   A. Ribbon                              C. Search Bar
   B. File Name                          D. Menu Browser

15. How do you open your existing drawing file?
   A. Ask your parent.
   B. Just open the AutoCAD software.
   C. Go to ribbon and look for your file.
   D. Double click the drawing file icon inside the folder or in any location from your computer.

**Computer Aided Design Review**

Hello learners! Have you ever wondered how engineers and architects design buildings or bridges with such detail and precision? They all get little help in Computer Aided Design Software. Let us see if you still remember our previous lesson in module 1.

**Directions.** Analyze the statement and identify is asked in each number. Write your answer on a separate sheet of paper.

1. What tool is often used for drawing, sketching, and drafting conceptual designs?
   A. CAD        B. 2D CADC. 3D CAD         D. Solid Modelling
2. Which of the following CAD software allows only a single user to work on a single file at a time?
   A. Single-File-Mode-System
   B. Collaborative-Mode-System
   C. Referenced-File-Mode-System
   D. 3D Wireframe and Surface Modelling
3. What is the tool that can transfer drawing into 3D rendering software?
   A. CAD        B. 2D CAD        C. 3D CAD         D. Solid Modelling
4. Which of the following software tool allows a team of users to collaboratively work with each other's data and see the changes other users make to the data as they go?
   A. Single-File-Mode-System
   B. Collaborative-Mode-System
   C. Referenced-File-Mode-System
   D. 3D Wireframe and Surface Modelling
5. What software is used in 3D animation for games and other presentations?
   A. Single-File-Mode-System
   B. Collaborative-Mode-System
   C. Referenced-File-Mode-System
   D. 3D Wireframe and Surface Modelling

## *What's New*

Read the brief history of AutoCAD by Luke Kennedy and answer the questions below:

AutoCAD has been available on the market since 1982, making it the first CAD system developed for PCs. This means that AutoCAD has been around longer than Adobe Photoshop or even Microsoft Windows! Before AutoCAD, commercial CAD programs in the 70s ran on mainframe computers or minicomputers, with each user working at a separate graphics terminal. If the designer didn't have access to these, they'd go about drawing using an old-school drafting desk and a T-square.

The company behind AutoCAD, Autodesk was founded in 1982 by John Walker. He and the other 15 co-founders intended to develop five different desktop automation applications, hoping that one of the applications would take off. Their flagship product turned out to be AutoCAD. They launched AutoCAD at the COMDEX trade show in Las Vegas as the first CAD program in the world to run on a PC. By March 1986, only four years after it was introduced, AutoCAD had become the most widely used design application worldwide, a position it still holds today. In its 35 years, AutoCAD has grown substantially. In fact, there has been 31 versions since the first release in December 1982! Over the years, Autodesk added new features and programs to appeal to different professions. The software supports APIs for customization and automation, which enabled the creation of vertical products such as AutoCAD Architecture, AutoCAD Electrical and AutoCAD Civil 3D. In the last five years, Autodesk has also created mobile and cloud-based apps, including AutoCAD 360, Fusion 360, and A360 Viewer. These programs couple design and documentation tools together with the ability to share and collaborate via the Internet.

Source: Luke. "A Brief History of AutoCAD." Scan2CAD, Scan2CAD, 5 Apr. 2018, www.scan2cad.com/tips/autocad-brief-history/.

Based on the underlined word/s choose the correct answers. Write your answer on a separate paper.

(1) **John Walker   Johnny Walker**  founded the Autodesk in 1982. They launched AutoCAD at the (2) **Philippines   Las Vegas California** as the first CAD program in the world to run on a PC. By March (3) **1890   1986   2020,** AutoCAD had become the most widely used design application worldwide, a position it still holds today.

# *What Is It*

**For those learners who have internet access and computer devices, you can follow the steps below on how to get a licensed AutoCAD software.**

Steps on how to get licensed AutoCAD software 2021.

1. Go to Autodesk website
   https://www.autodesk.com/education/about-
   autodesk-education

2. Click Sign in
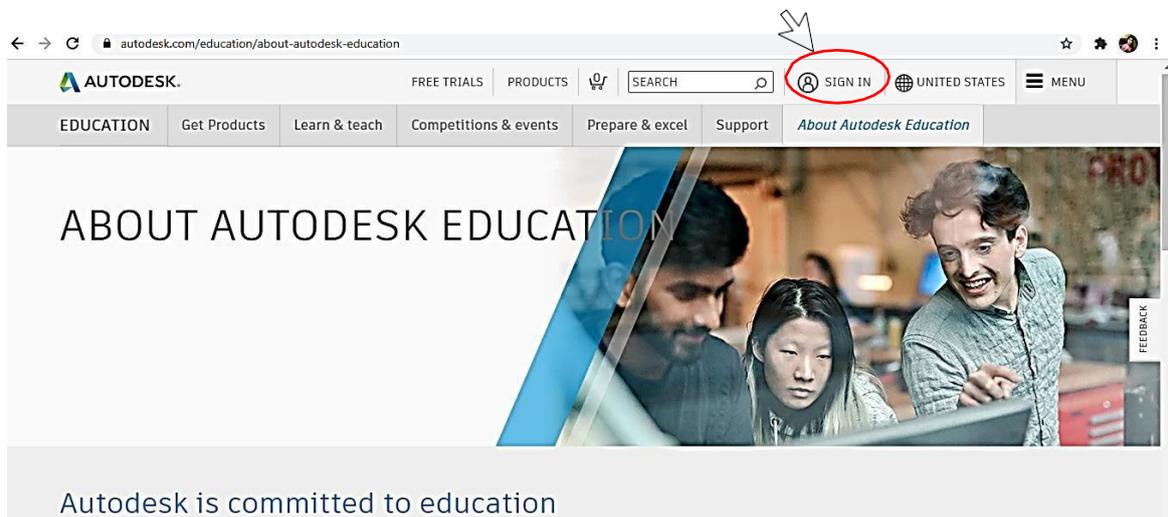


3. Click create account
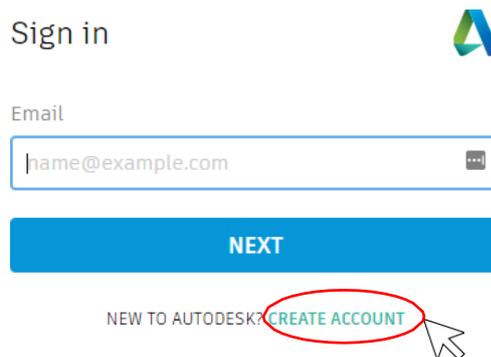


4. Fill up required information



Put check

Select *Create Account*

6

5. Click done

Account created

This single account gives you access to all your
Autodesk products

☐ Thank you for your interest in Autodesk. Check this box to
receive electronic messages (including marketing e-mails
at the address you provided) from Autodesk, including on
emerging trends, events, solutions and exclusive
opportunities. Autodesk will personalize the content we
send you based on how you interact with our messages.
You are in control. Manage your preference or
unsubscribe at anytime. View Autodesk's contact
information and privacy statement.

DONE

6. Select the About Autodesk Education
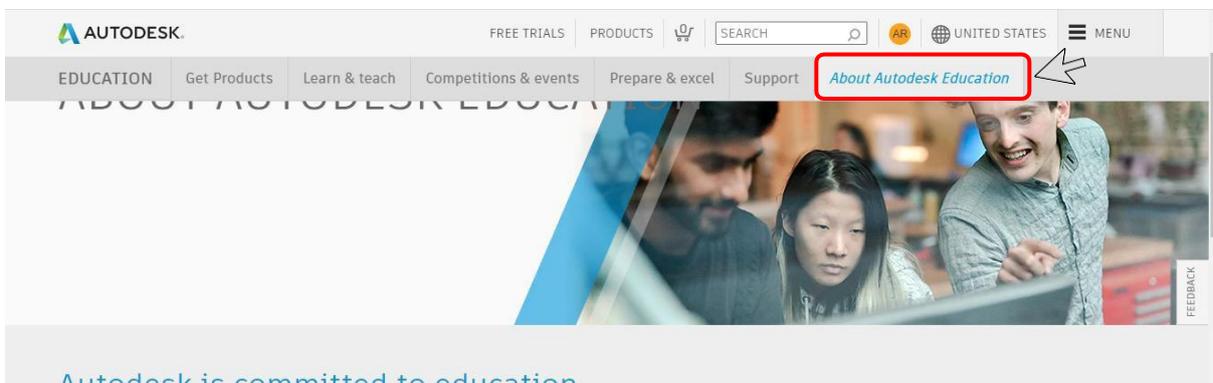


7. Select the Download free software



8.  Choose the AutoCAD and click the *Get Started.*
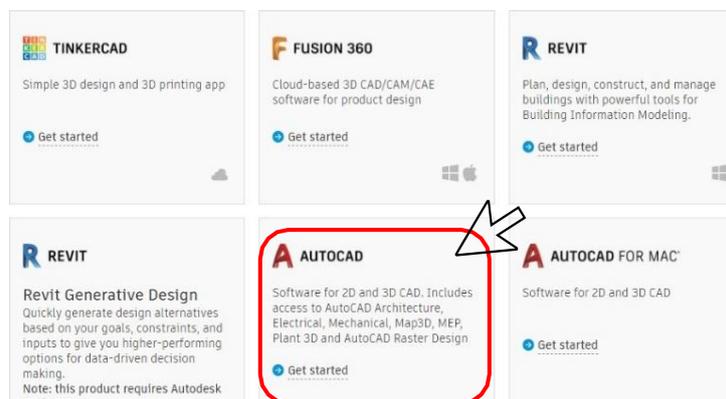
9. Once you select the *Get Started,* the Autodesk will ask you again to sign in.

Sign in

Email

name@example.com

**NEXT**

NEW TO AUTODESK? CREATE ACCOUNT

10. Get verification from your email

Verification required

We've noticed that your email is not verified with us, please take a moment to verify your account. Click the button below to get an email with further instructions.

altea.ramos@deped.gov.ph

Click *Get Verification Email*

**GET VERIFICATION EMAIL**

11. Go to your email to verify your account

☐ ☆ Autodesk    **Verify your Autodesk account** - Your account for everything Autodesk Hi, Please complete your Aut

12. In your email verify your account

**AUTODESK.**    Your account for everything Autodesk

Hi,

Please complete your Autodesk account (altea.ramos@deped.gov.ph) by confirming your email address.

**VERIFY EMAIL**

Account verified

This single account gives you access to all your Autodesk products

Click *Done*

**DONE**

13. Fill in needed information



Type name of school

Type *Area of Study*

Enrolled from

Graduate in

Click *Done*

Click *Done*

14. Your account is set. Select continue.



Account set

Your account is now updated to access the Autodesk
education community

CONTINUE
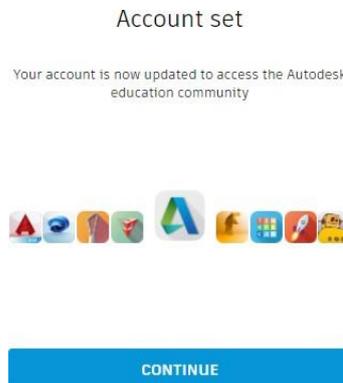
15. Choose again the AutoCAD and select the *Get Started*.



TINKERCAD
Simple 3D design and 3D printing app
Get started

FUSION 360
Cloud-based 3D CAD/CAM/CAE
software for product design
Get started

REVIT
Plan, design, construct, and manage
buildings with powerful tools for
Building Information Modeling.
Get started

REVIT
Revit Generative Design
Quickly generate design alternatives
based on your goals, constraints, and
inputs to give you higher-performing
options for data-driven decision
making.
Note: this product requires Autodesk
Revit 2021

AUTOCAD
Software for 2D and 3D CAD. Includes
access to AutoCAD Architecture,
Electrical, Mechanical, Map3D, MEP,
Plant 3D and AutoCAD Raster Design
Get started

AUTOCAD FOR MAC
Software for 2D and 3D CAD
Get started

16. Fill in again the required information.

Check that your information below is correct, then click Confirm

All fields must be accurately completed to confirm your eligibility for educational access to Autodesk products. Thank you for helping us provide Autodesk tools for legitimate educational use around the globe.

Email

altea.ramos@deped.gov.ph

Wrong email address? Update address

First name | Last name

Country or region of your educational institution | Institution type

Philippines | High School/Secondary

Name of educational institution | Date of birth

Baguio City High School-Main | October

**Click *Confirm***

CONFIRM | Cancel

17. Autodesk will ask additional documentation. You can attach your school identification.

Additional documentation needed

Please upload a copy of documentation issued to you by your educational institution (e.g. tuition receipt or student ID, employee ID) as proof that you attend, teach or are employed at a qualified educational institution

You have 14 days to upload your documentation

The document must include:

1. Your full legal name (altea ramos)
   Note: The name on the document you submit must match this.
2. The name of the educational institution at which you are enrolled or employed (Baguio City High School-Main)
   Note: The school name on the document you submit must match this.
3. A date within the current school term.

Preferred documents include:

- Transcript
- School-issued confirmation letter
- A copy of your student ID (photo ID not required)

Supported file types: JPEG, PDF, PNG, GIF

⬆ Drag documents here, or browse

**Drag you documents (ID)**

NOTE: If your uploaded document is too fuzzy to read, does not show your full and legal name, or shows a name different from the one you used for this Autodesk account, you will not be able to complete the confirmation process. Please do not include any confidential information in the document you upload, such as social security numbers or banking details. Please ensure any sensitive information is blacked out before you upload your document.

18. Check your email of the Autodesk approve your education access.

Autodesk Education Community <studentcommunity@autodesk.com> | Sat, Oct 17, 7:38 AM ☆
to me ▾

Click here to view this email in your web browser.

△ AUTODESK. Make anything

EDUCATION
ACCESS

19. Once approved, you can now install your AutoCAD software.

**Starting the AutoCAD**

There are several ways of launching the AutoCAD program, depending on the preferences and condition you may want to begin. Follow each of the illustrated steps below:

1. From the Start Menu or Window Icon
2. Click the Window icon>Select AutoCAD 2017 or any AutoCAD version installed in your laptop or desktop.
3. From the desktop double-click the AutoCAD icon in your desktop
4. By opening drawing file
   Double click the drawing file icon inside the folder or in any location from your computer.

**Let us explore the AutoCAD 2017 Working Environment**

1. Menu Browser- Browse all of the classic drop-down menus available in AutoCAD, or perform a real-time search of the menus, menu actions, tooltips, command prompt text strings, and tags. Use the menu browser to browse for recent documents, currently open documents, and commands recently executed from the menu browser.
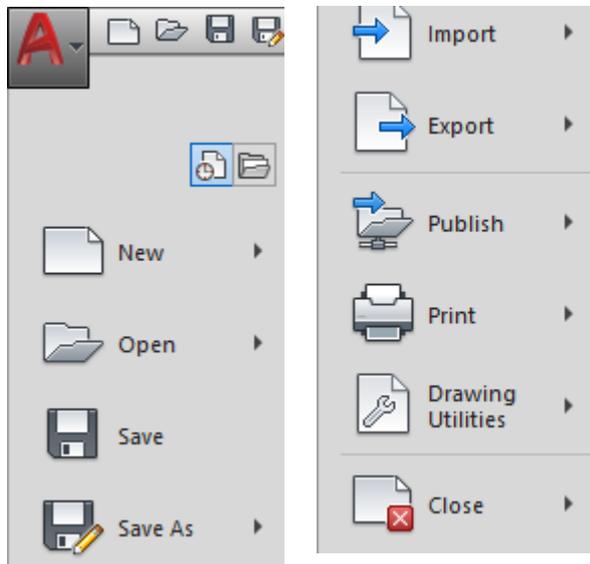
2. File Name- the name of the current file you are working on.

Autodesk AutoCAD 2017   Drawing1.dwg

3. Quick Access Toolbar- located along the top of the application window, above the ribbon and provides direct access to common or defined set of commands

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4. Search box- Search for information through keywords or phrases, display the Communication Center panel for product updates and announcements, or display the Favorites panel to access saved topics.

*Type a keyword or phrase*
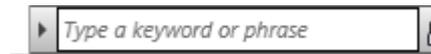
5. Menu Bar- horizontal strip across the top of an application's window

Home   Insert   Annotate   Parametric   View   Manage

Add-ins   A360   Express Tools   Featured Apps

6. Toolbar/Ribbon-provide a single, compact placement for operations/tools that are relevant to the current workplace.
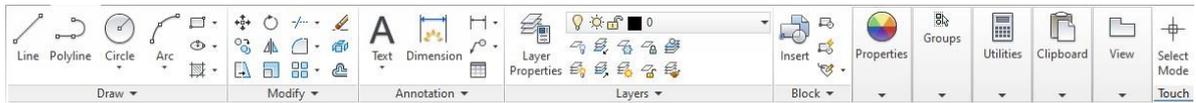
7. User Coordinate System(UCS)- found at the bottom left hand corner of the AutoCAD drawing window.
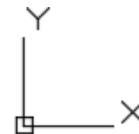
8. World Coordinate System (WCS)- by default when you starta new (blank) drawing you use the WCS. This indicates your (0,0,0) point
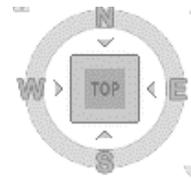
9. Draw commands- used to create new objects such as linesand circles.

Line   Polyline   Circle   Arc
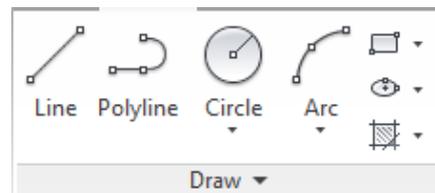
Draw ▾

10. Modify Toolbar- used to modify the basic drawing objects in some way to suit the image your need.

Modify ▾

12
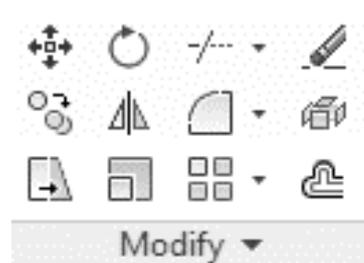
11. View Port/ View Control-
displayed at the top-left
corner of  each viewport,
and provide convenient way
of changing views, visual
styles, and other settings

[−][Top][2D Wireframe]

12. Layout Tab-provide access
to Model Space and each
layout in each document.

Model   Layout1   Layout2   +
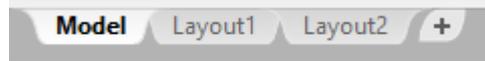
13. Navigation Bar- a user
interface element where
you can access both unified
and product-specific
navigation tools.

14.  Status Bar- displays cursor location, drawing tools, and tools that affect
your  drawing environment.

MODEL                ▾ ⌐ ⊘ ▾ ⟍ ▾ ∠ ◻ ▾ 🕮 🕮 🕮 1:1 ▾ ⚙ ▾ + 🕮 ● 🔺 🕮 ≡

15. Workspace Switching-
switches the current
workplace to a different
one, with its own set of
toolbars, palettes, and
ribbon panels.

✔ Drafting & Annotation
  3D Basics
  3D Modeling

  Save Current As...
  Workspace Settings...
  Customize...
  Display Workspace Label
▾ ∠ ◻ ▾ 🕮 🕮 🕮 1:1 ▾ ⚙ ▾
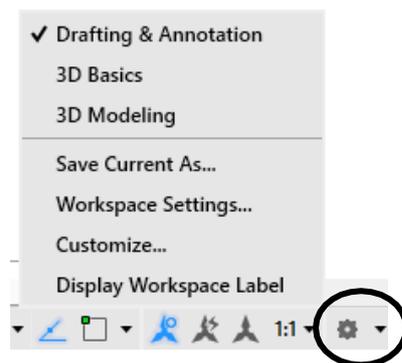
16. Crosshair-a type of cursor
consisting of two lines that
intersect and are used to
locate points and selects
objects in your drawing.
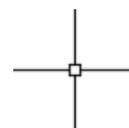
17. Command Line Bar-it is where you enter the commands from the keyboard and where the prompts are displayed. It has a text area where all the previous commands are displayed.
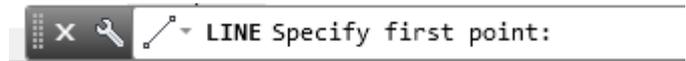


## What's More

**MISSING NAMES**

**Directions.** Label the parts of the AutoCAD Working Environment. Write your answer on the separate sheet of paper.
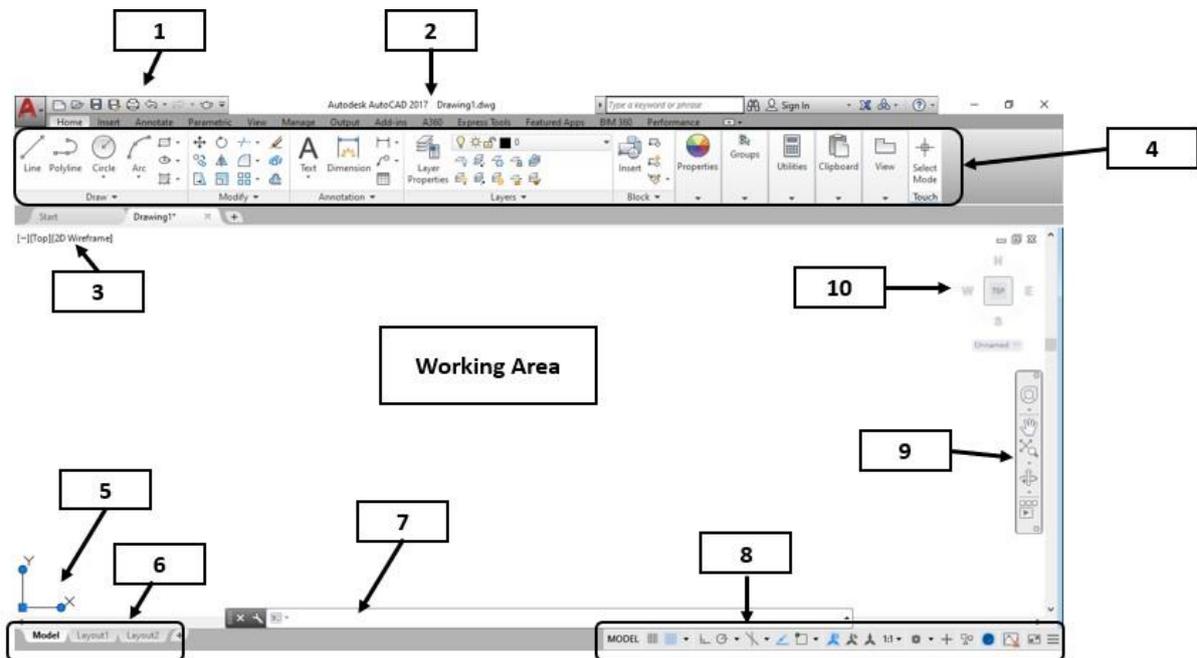
## *What I Have Learned*

**I -#Hash Tag Mo**

**Directions.** Fill in the blanks with the correct names of the parts of the AutoCAD working environment by placing your answer with a # (Hash Tag symbol). Make sure that your answers are written clearly and spelled correctly. Write your answer in a separate sheet of paper.

1. You can use the _____ if you what to enter the commands from the keyboard.

2. If you want to switch to your current workplace to adifferent one, you can select the _____.

3. You must go to _____ if you want to modify your drawing.

4. If you want to draw a different shape in AutoCAD, you must go to _____.

5. You use the _____ to look for a particular keywords pr phrases.

6. You must click the _____ to save your drawing.

7. Your _____ used to locate points and selects objects in your drawing.

8. The Insert tab are located at the _____. Menu bar

9. Go to _____,to check the name of the current file you are working on.

10. You must click the _____if you want to change your drawing layout.

![What I Can Do icon]

# *What I Can Do*

**Storyboarding**

Directions. Create a conversational storyboard on the different parts of AutoCAD working environment. How would you make the flow of your story? Your output will be scored based on RUBRIC below. You draw your own comic strip or use the sample below.

Performance Rubrics

| Criteria | Excellent 10 | Good8 | Satisfactory 5 |
|---|---|---|---|
| Content | Content of the project is exceedingly interesting and clearly relevant to the topic. | Content is interesting and relevant to the topic/ | Content was mostly copied from a certain reference. |
| Presentation | Output was done with exceptional attention to details and neatness | Output was done with good care and attention to details and neatness. | The output was done but needs care to detail and neatness. |
| Organization | Flow of the story is excellent. | Flow of the story is simple. | Flow of the story is confusing. |
| Originality andcreativity | The whole story strip is unique, and its layout isexceptionally attractive. | The story strip is a duplicate copy, and the layout is attractive. | The story strip is a copied story from a reference and poor design. |

## TITLE OF YOUR STORYBOARD

## Post-Assessment

**Multiple Choice.**

**Directions:** Choose the letter of the best answer. Write the chosen letter on the answer sheet provided.

1. Which of the following statement is true?
   A. AutoCAD was founded in 1980.
   B. AutoCAD has only 5 versions
   C. AutoCAD has also created mobile and cloud-based apps.
   D. AutoCAD was launched at the COMDEX trade show in California.
2. It is where you enter the commands from the keyboard and where the prompts are displayed.
   A. Status Bar                      C. Layout Tab
   B. Search Bar                      D. Command Line Bar
3. How do you Save your drawing?
   A. Press CTRL + S
   B. Go to ribbon and look for save icon.
   C. Ask your teacher to save your drawing.
   D. Just close your drawing it will automatically save.
4. What tool is located along the top of the application window, above the ribbon and provides direct access to common or defined set of commands?
   A. Ribbon                          C. Menu Browser
   B.  Menu Bar                       D. Quick Access Toolbar
5. It is a tool that allows you to search for a data or document in a help file or to web.
   A. Ribbon                          C. File Name
   B. Menu Bar                         D. Search Bar
6. What is the default filename of AutoCAD?
   A. .dwg                            C. .png
   B. .docx                           D. .pptx
7. Which of the following is found at the bottom left-hand corner of the AutoCAD drawing window?
   A.  ABS                            C. WCS
   B.  UCS                            D. WUS
8. It is a tool that can be used to create new objects such as lines and circles.
   A.  Ribbon                         C. Draw Toolbar
   B.  Dimensions                     D. Modify Toolbar
9. It is a tool that switches the current workspace to a different one, with its own set of toolbars, palettes, and ribbon panels.
   A.  Status Bar                     C. User Coordinate System
   B.  Workplace switching            D. World Coordinate System

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10. Who developed and founded AutoCAD?
    A.  John Walk                          C. John Walker
    B.  Jonny Walker                       D. John Walking
11. How do you open your existing drawing file?
    A.  Ask your parent.
    B.  Just open the AutoCAD software.
    C.  Go to ribbon and look for your file.
    D.  Double click the drawing file icon inside the folder or in any
        location from yourcomputer.
12.  It is the name of the current file you are working on.
    A.  Ribbon                             C. Search Bar
    B.  File Name                          D. Menu Browser
13. Which of the following provides access to Model Space
     and each Layout in eachdocument?
    A.  Layout Tab                         C. Navigation Bar
    B.  Status Bar                         D. Command Line Bar
14. What is the user interface element which you can
    access both unified and product-specific navigation
    tools?
    A.  Status Bar                         C. Navigation Bar
    B.  Layout Tab                         D.  Command line bar
15. It is a type of cursor consisting of two lines that intersect
    and are used to locatepoints and selects objects in your
    drawing.
    A.  Crosshair                          C. Pan
    B.  Mouse                              D. Pointer

## *Additional Activity*

CROSSWORD PUZZLE
**Directions**. Complete the crossword by filling in a word that fits each clue.
Write your answer on a separate sheet of paper.

## ACROSS

**2** It provides a single, compact placement for operations/tools that are relevant to the current workspace.

**3** It is found at the bottom left-hand corner of the AutoCAD drawing window.

**9** It is where you enter the commands from the keyboard and where the prompts are displayed

**10** It is the name of the current file you are working on

## DOWN

**1** It is a client-software that lets users read or scan documents on the World Wide Web

**4** It displays the cursor location, drawing tools, and tools that affect your drawing environment.

**5** It is the horizontal strip across the top of an application's window.

**6** It is a tool that allows you to search for a data or document in a help file or to web.

**7** It provides access to Model Space and each Layout in each document.

**8** It is a type of cursor consisting of two lines that intersect and are used to locate points and selects objects in your drawing.

# Answer Key

| What I Know | What's In | What's New | What's More |
|---|---|---|---|

**What I Know**
1. D
2. D
3. D
4. B
5. C
6. A
7. C
8. C
9. A
10. A
11. B
12. A
13. C
14. B
15. D

**What's In**
1. B
2. A
3. C
4. B
5. D

**What's New**
John Walker
Las Vegas
1986

**What's More**
1. Quick Access Toolbar
2. File Name
3. View Port/View Control
4. Ribbon
5. UCS/User Coordinate System
6. Layout Tab
7. Command Line bar
8. Status Toolbar
9. Navigation Bar
10. WCS/World Coordinate System

## What I Have Learned
1. Command Line bar
2. Workspace switching
3. Modify toolbar
4. Draw toolbar
5. Search box
6. Menu browser
7. Cursor
8. Menu Bar
9. File Name
10. Layout Tab

## What I Can Do
Performance output will be evaluated through given rubrics

## Assessment
1. C
2. D
3. A
4. D
5. D
6. A
7. B
8. C
9. B
10. C
11. D
12. B
13. A
14. C
15. A

## Additional Activity
Across
2 Ribbon
3 User Coordinate System
9 Command Line
10 File Name
Down
1 Menu Browser
4 Status bar
5 Menu Bar
6 Search Box
7 Layout Tab
8 Crosshair

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