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Learning Activity Sheet for Mathematics

Quarter 3

Lesson

4

Learning Activity Sheet for Mathematics Grade 8
Quarter 3: Lesson 4 (Week 4)
SY 2025-2026

Development Team

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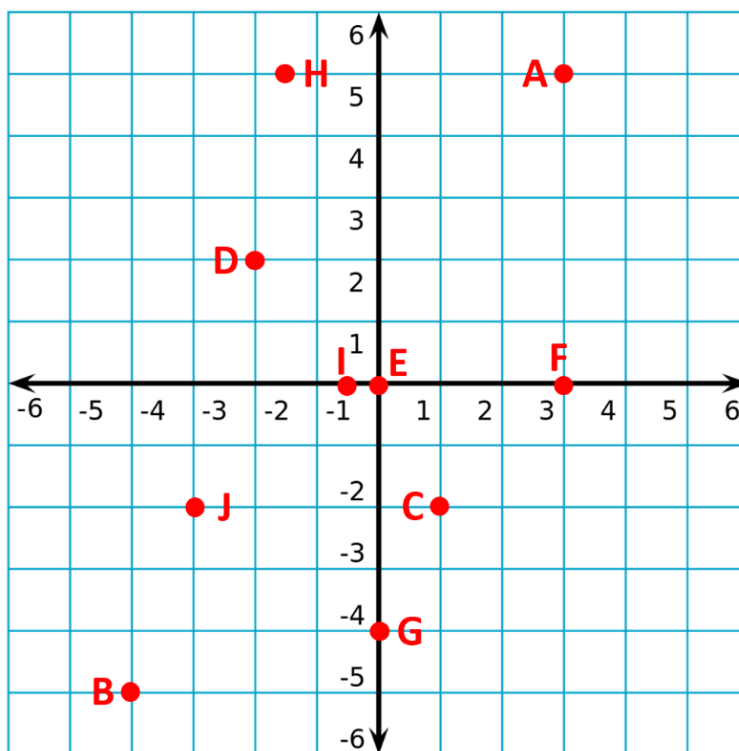- Ysmael V. Caballas (Philippine Normal University – South Luzon)

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Learning Area:	Mathematics	Quarter:	3
Lesson No.:	4	Date:	
Lesson Title/ Topic:	Linear Equation in Two Variables		
Name:		Grade & Section:	

I. **Activity No. 1:** Do You Remember? (10 minutes)

II. **Objective(s):** At the end of the activity, you should be able to graph linear equations in two variables.

III. **Materials Needed:** pen

IV. **Instructions:** Identify the location of the given points in the cartesian coordinate plane.

1. A (____, _____)
2. B (____, _____)
3. C (____, _____)
4. D (____, _____)
5. E (____, _____)

6. F (____, _____)
7. G (____, _____)
8. H (____, _____)
9. I (____, _____)
10. J (____, _____)

Learning Area:	Mathematics		Quarter:	3
Lesson No.:	4		Date:	
Lesson Title/ Topic:	Linear Equation in Two Variables			
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I. **Activity No. 3:** Try This! (15 minutes)

II. **Objective(s):** At the end of the activity, you should be able to graph linear equations in two variables.

III. **Materials Needed:** pen and ruler

IV. **Instructions:**

  A. Let the learners identify if the ordered pair is a solution of the linear equation.

      1. $y = 4x + 2$; $(2, 10)$

      2. $y = -2x + 5$; $(7, 5)$

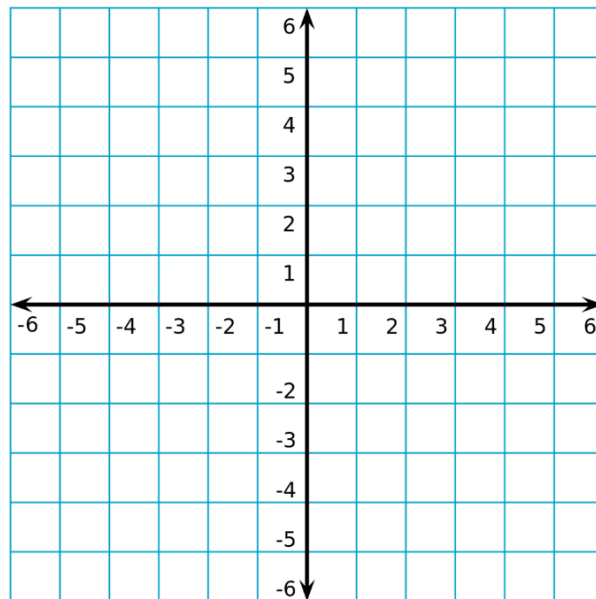   3. $9x + 3y = 18$; $(-1, 9)$

      4. $-2y = 10x$; $(0, 0)$

      5. $3x - 2y + 6 = 0$; $(-3, -3)$
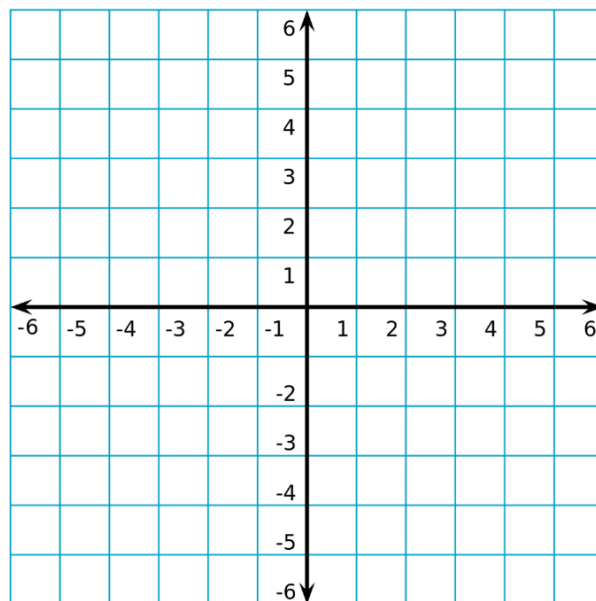
  B. Complete the table below.

General	*Standard*	*Slope-Intercept*	*m*	*b*
(6)	(7)	$y = -2x - 7$	(8)	-7
$5x - 2y - 10 = 0$	$5x - 2y = 10$	(9)	(10)	(11)
(12)	(13)	(14)	-5	4

C. Sketch the graph of a linear equation given the following;

a. $-4x + 2y = 8$

b. $y = -\dfrac{8}{3}x - +6$

Rubrics for Part C (Max of 3 points for each item)

Score	Indicator/s
3	Provided a complete solution and graphed the linear equation correctly.
2	Provided a complete solution with minor error in the graph of the linear equation.
1	Provided an incomplete with major error in the graph of the linear equation.
0	Did not attempt to solve and graph the linear equation.

V. Synthesis:

1. How did you arrive at your answers?

_____

_____

_____

_____

_____

2. How did you find the activity? Can you share and describe your experience?

_____

_____

_____

_____

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