



**THIRD QUARTERLY ASSESSMENT  
MATHEMATICS 7  
Prepared by: Mr. Ravy G. Galopo**

Name: \_\_\_\_\_

Score: \_\_\_\_\_/70

Grade and Section: \_\_\_\_\_

Date: \_\_\_\_\_

**IMPORTANT REMINDER:** Following instructions is part of the exam. Failure to follow instructions will cause a **5-point-deduction** from the total raw score.

**I. Read each statement carefully and ENCIRCLE the LETTER of the correct answer.**

- Which of the following does NOT lie in any of the quadrants?  
A. (2,3) C. (0,2)  
B. (-3,-2) D. (3,2)
- What is the slope of the line passing through (2,-3) and (5,-2)?  
A. 3 B. -3 C.  $\frac{1}{3}$  D.  $-\frac{1}{3}$
- What is the y-intercept of the line  $4x - 3y + 15 = 0$ ?  
A.  $-\frac{4}{3}$  B. 5 C.  $\frac{4}{3}$  D. -5
- What is the x-intercept of the line  $23y - 4x = 9$ ?  
A.  $\frac{4}{23}$  B.  $\frac{9}{23}$  C.  $-\frac{9}{4}$  D.  $\frac{9}{4}$
- Which of the following points lie in Quadrant II?  
A. (-3,4) B. (4,1) C. (0,-4) D. (-5,-6)
- If the point (x,3) is on the graph of  $3y - 2x = 7$ , what is x?  
A. -1 B. 1 C. 2 D. 3
- If (3,y) is on the graph of  $y = 3x - 2$ , what is y?  
A. -7 B. 4 C. 5 D. 7
- Which of the following lines are parallel?  
I.  $3x + 2y = 5$  III.  $2x - y = 5$   
II.  $2y = -3x - 4$  IV.  $x + 2y - 10 = 0$   
A. I, II B. III, IV C. I, III D. II, IV
- What is the equation of the line which has a slope of 4 and an x-intercept of -3?  
A.  $4x - y + 12 = 0$  C.  $x - 4y = 0$   
B.  $4x + y - 12 = 0$  D.  $4y + 12 = 0$
- What is the slope of the line which has a y-intercept of 3 and an x-intercept of 5?  
A.  $\frac{5}{3}$  B.  $\frac{3}{5}$  C.  $-\frac{5}{3}$  D.  $-\frac{3}{5}$

**II. Name the quadrant or axis where each point lies.**

- |                               |                   |
|-------------------------------|-------------------|
| 11. (4,-1) _____              | 16. (-5,-7) _____ |
| 12. (-3,2) _____              | 17. (3,0) _____   |
| 13. 0,7) _____                | 18. (-4,-2) _____ |
| 14. (0, $\frac{1}{2}$ ) _____ | 19. (-4,3) _____  |

15.  $(\frac{7}{2}, -\frac{3}{4})$  \_\_\_\_\_

20.  $(\frac{1}{3}, \frac{1}{2})$  \_\_\_\_\_

**III. Find the slope of the line passing through the given points. Show your solution.**

21-23.  $(13, 14)$  and  $(-15, 17)$

30-32.  $(3, 2)$  and  $(3, 6)$

24-26.  $(-2, 1)$  and  $(1, -3)$

33-35.  $(-2, 1)$  and  $(1, -3)$

27-29.  $(1, 5)$  and  $(8, 5)$

**IV. Graph the following using intercepts. Show your solution.**

36-38.  $3x - 4 = y$

39-41.  $y = -6 - 2x$

42-44.  $-5x = 6y - 4$

**V. Solve the system by substitution method. Show your solution.**

45-48.  $7x - 3y = 10$

$$3x - y = 9$$

49-52.  $8x = 4y$

$$2x + 7y = -8$$

53-56.  $7x + 4y = 9$

$$5x + 6y = -3$$

**V. Solve the system by elimination method. Show your solution.**

57-60.  $5x + y = 10$

$$5x - 4y = 9$$

$$61-64. \begin{aligned} x - 2y &= 0 \\ 2x - 3y &= 6 \end{aligned}$$

**VI. Answer the following in 2-3 sentences.**

65-67. If you were to describe yourself as a system of linear equations. What would it be and why?

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67-70. Describe a time you made a mistake while calculating slope. How did you realize your mistake, and what did you learn from it?

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**\*\*\*END OF EXAM\*\*\***