



**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?

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?

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