



**THIRD QUARTERLY ASSESSMENT
MATHEMATICS 7
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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.

1. Which of the following does NOT lie in any of the quadrants?
 A. $(2,3)$ C. $(0,2)$
 B. $(-3,-2)$ D. $(3,2)$

2. What is the slope of the line passing through $(2,-3)$ and $(5,-2)$?
 A. 3 B. -3 C. $\frac{1}{3}$ D. $-\frac{1}{3}$

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

4. What is the x-intercept of the line $23y - 4x = 9$?
 A. $\frac{4}{23}$ B. $\frac{9}{23}$ C. $-\frac{9}{4}$ D. $\frac{9}{4}$

5. Which of the following points lie in Quadrant II?
 A. $(-3,4)$ B. $(4,1)$ C. $(0,-4)$ D. $(-5,-6)$

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

7. If $(3,y)$ is on the graph of $y = 3x - 2$, what is y ?
 A. -7 B. 4 C. 5 D. 7

8. 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

9. 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. $4y + 12 = 0$

10. 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.

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

$$5x - 4y = 9$$

$$61-64. x - 2y = 0$$

$$2x - 3y = 6$$

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*****