



SECOND 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. Determine which quadrant each pair of coordinates will be in.
Example.

(1, 18)
Quadrant 1

(-1, 18)
Quadrant 2

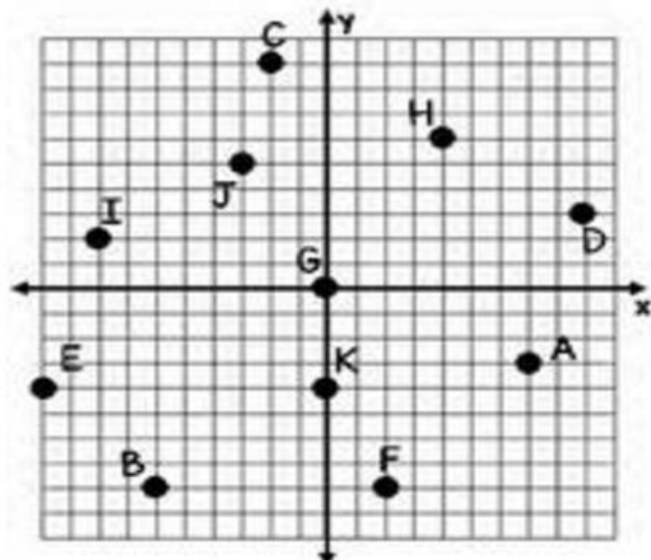
(-1, -18)
Quadrant 3

(1, -18)
Quadrant 4

1-2.	(-6, -12)	(-6, 12)	(6, -12)	(6, 12)
3-4.	(2, -6)	(-2, -6)	(2, 6)	(-2, 6)
5-6.	(-6, -10)	(6, 10)	(6, -10)	(-6, 10)
7-8.	(-18, 9)	(18, -9)	(-18, -9)	(18, 9)
9-10.	(-3, -2)	(3, 2)	(-3, 2)	(3, -2)

II. Identify the coordinates of each ordered pair on the graph.

11. K _____
12. G _____
13. J _____
14. A _____
15. E _____
16. B _____
17. I _____
18. D _____
19. F _____
20. H _____



III. Perform the operation. Show your solution.

21-24. $\frac{4x+12}{16x^2} \div \frac{x^2-9}{x^2-x-6}$

25-28. $\frac{x^2-2x+8}{x^2+4x+3} \cdot \frac{3x+3}{x-2}$

29-32. $\frac{x-2}{x^2+5x+6} - \frac{5}{x+3}$

33-36. $\frac{2h}{6h+8} + \frac{5}{7h+4}$

IV. Convert the following units of measure to their desired units of measurement. Show your solution.

41-42. 64 pints = _____ cups

43-44. 80 quarts = _____ cups

44-45. 1024 ounces = _____ pounds

43-44. 105 yards = _____ feet

41-42. 10 tons = _____ ounces

V. Convert the following metric units to their desired units of measurement.

51. $6.03\text{mm} = \text{_____hm}$

56. $17.4\text{kg} = \text{_____g}$

52. $503\text{km} = \text{_____dm}$

57. $4\text{km} = \text{_____dm}$

53. $0.013\text{mm} = \text{_____m}$

58. $0.04\text{mm} = \text{_____dm}$

54. $0.16\text{kg} = \text{_____cg}$

59. $16.32\text{mg} = \text{_____kg}$

55. $16.16\text{hg} = \text{_____dag}$

60. $141.3\text{hg} = \text{_____cg}$

VI. Answer the following in 2-3 sentences.

61-63. Imagine you're planning a trip to Europe. How can understanding different units of measurement help you plan your journey?

64-66. Have you ever played a video game where you move a character around a grid? If yes, how is this similar to the cartesian coordinate plane? If no, how can you use a map with a grid system to find a specific location?

67-70. If you're building a model car or rocket, why is it crucial to measure accurately using both English and Metric units?

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