

**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)	(-1, 18)	(-1, -18)	(1, -18)
Quadrant 1	Quadrant 2	Quadrant 3	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 \_\_\_\_\_

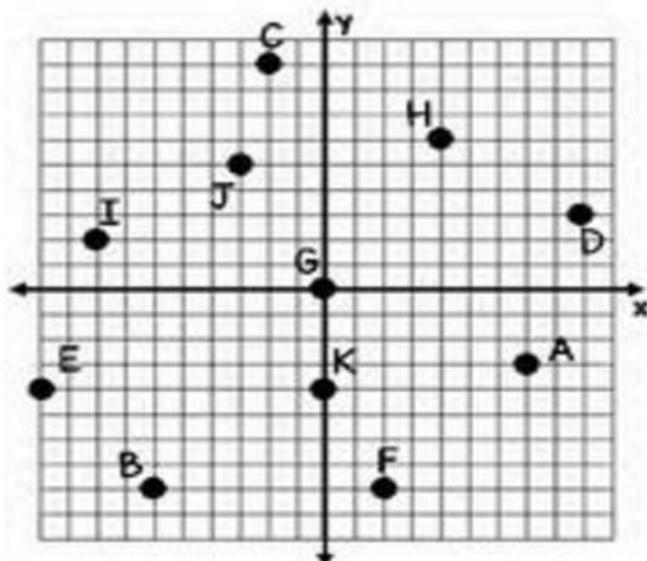
16. B \_\_\_\_\_

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.  $6.03mm = \text{_____} hm$

56.  $17.4kg = \text{_____} g$

52.  $503km = \text{_____} dm$

57.  $4km = \text{_____} dm$

53.  $0.013mm = \text{_____} m$

58.  $0.04mm = \text{_____} dm$

54.  $0.16kg = \text{_____} cg$

59.  $16.32mg = \text{_____} kg$

55.  $16.16hg = \text{_____} dag$

60.  $141.3hg = \text{_____} cg$

**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?

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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?

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

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