

Algebra and Geometry I

Pre-Requisite QUIZ REVIEW

Name: _____

Date: _____ Hr: _____

Show ALL WORK!

Convert the following:

1. $256\text{cm} = \underline{\hspace{2cm}}$ km

2. $0.0008\text{ hm} = \underline{\hspace{2cm}}$ mm

3. $18,000\text{dm} = \underline{\hspace{2cm}}$ m

4. $42\text{dkm} = \underline{\hspace{2cm}}$ m

Simplify the following:

7. $-3 + 2 =$
 $-3 - -2 =$

8. $-3 - 2 =$

9. $-3 + -2 =$

10.

11. $-5 + (1 - 3) =$

12. $6 + 2 \cdot 3 =$

13. $15 \div 5 \cdot 2 - 3$

14. $2(1 + 4) \div 5$

Substitute and evaluate: $x = 8$, $y = 6$ $p = \frac{1}{2}$

15. $2x - 1y$

16. $5y + 8p$

17. $xy \div m$

18. $2(3x + 6) \div 10$

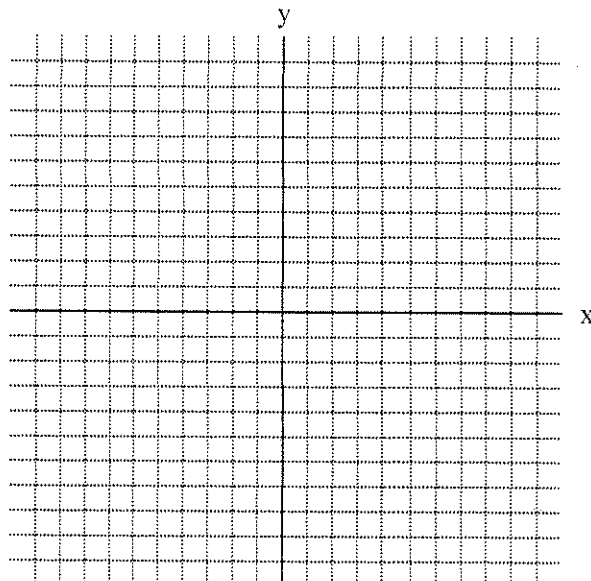
19. Plot the following points on the graph: and label them with the corresponding letter:

A (1, 2)

B (-2, 3)

C (1, -3)

D (-3, -2)



Compute the following fractions:

20. $\frac{1}{3} + \frac{2}{5}$

21. $\frac{2}{7} \cdot \frac{3}{5}$

22. $\frac{2}{9} \div \frac{6}{11}$

23. $1\frac{2}{3} - 1\frac{1}{2}$

Convert from decimals to percents:

24. .07

25. 5.5

26. .032

27. .0007

Convert from percents to decimals:

28. 48%

29. 430%

30. .008%

31. 6800%

Convert the following:

32. 30 sec = _____ hours

33. 2 weeks = _____ days

34. 15 min = _____ hours

35. 8 months = _____ weeks