

Algebra Review Packet for Geometry CP students KEY

1. 48

2. 29

3. 72

4. 7

5. -149

6. 360

7. 211

8. $\frac{13}{12}$

9. $\frac{3}{4}$

10. $\frac{19}{6}$

11. 7.45

12. $(8 + 12) \div (4 \times 5) = 1$

13. -9

14. 9

15. $\frac{4}{9}$

16. 194.5

17. 0.2

18. 57.0

19. -35.0

20. 211.90

21. 3

22. 7.18

23. 713.86

24. Commutative

25. Additive identity

26. Associative

27. Reflexive

28. Symmetric

29. Addition and multiplication: changing the order

results in the same answer

Subtraction: changing the order will result in a

negative (ex: $8-2=8$ but $-8=-6$)

Division: results in a different answer (ex: $4/8 =$

$\frac{1}{2}$, but $8/4=2$)

30. $X=7$

31. $X=26$

32. $X=9.5$

33. $X=13$

34. $X=3.5$

35. $X=16$

36. $X=19$

37. -2.8

38. $X=9.5$

39. $X=0$

40. $X=2$

41. $X=-8$

42. $X=1$

43. $X=26$

44. $X=68$

$$45. F = \left(C \times \frac{9}{5}\right) + 32$$

$$F - 32 = C \times \frac{9}{5}$$

$$\frac{5}{9}(F - 32) = C$$

$$C = \frac{5(F - 32)}{9}$$

$$46. f = \frac{2d-9}{3}$$

$$47. w = \frac{9}{r}$$

$$48. g = \frac{p}{180} + 9$$

$$49. x = \frac{-t+10}{d}$$

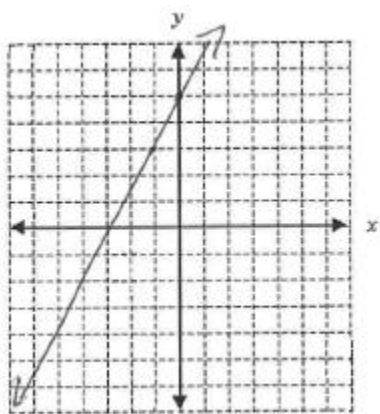
$$50. m = -3$$

$$51. m = \frac{2}{3}$$

$$52. m = \frac{-1}{2}$$

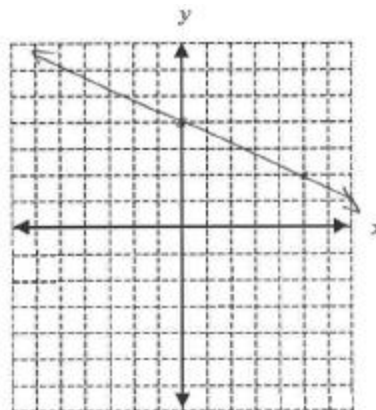
$$53. \text{Slope} = 2$$

y-intercept = 5



$$54. \text{Slope} = \frac{-2}{5}$$

y-intercept = 4



$$55. 4x-12$$

$$56. 5x+3$$

$$57. \frac{x+2}{8}$$

$$58. 2x-7=18$$

$$59. 90-x$$

$$60. 14.30$$

$$61. 82.22\%$$

$$62. 121.43\%$$

$$63. \frac{1}{2}, \frac{3}{4}, \frac{7}{8}, \frac{5}{4}, \frac{3}{2}$$

$$64. 12.05, 6.75, 2.436, 1.9$$

$$65. A, C, \text{ and } E$$

$$66. 8$$

$$67. -16\sqrt{5}$$

$$68. 3\sqrt{2}$$

$$69. 2\sqrt{15}$$

$$70. 6\sqrt{3}$$

$$71. 7$$

$$72. 5\sqrt{6}$$

$$73. \frac{\sqrt{5}}{2}$$

$$74. 20$$

75. $\frac{4\sqrt{10}}{15}$

76. $-12\sqrt{7}$

77. $\frac{3\sqrt{15}}{5}$

78. $35\sqrt{15}$

79. $2\sqrt{15}$

80. $610\sqrt{6}$

81. $6x^2 - 20x + 6$

82. $8n^2 + 26n + 6$

83. $30p^2 - 8p - 64$

84. $n^2 - 25$

85. $16p^2 - 8p + 1$

86. $7k^3 - 17k^2 + 55k - 21$

87. $(n + 2)(n + 4)$

88. $(p + 10)(p + 1)$

89. $2(n + 9)(n - 6)$

90. $(3n - 2)(n - 2)$

91. $(2, 1)$

92. $(-4, 3)$

93. $(7, -2)$

94. $(6, -6)$