

Test 5

- 1) E
- 2) B
- 3) C
- 4) A
- 5) C
- 6) D
- 7) A
- 8) E
- 9) C
- 10) D
- 11) C
- 12) D
- 13) C
- 14) A
- 15) D

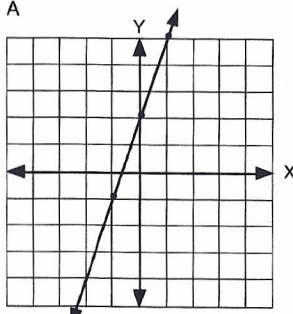
Test 6

- 1) A
- 2) C
- 3) B
- 4) C
 $C = 2D + 5$
 $C = 2(6) + 5 = 12 + 5 = 17$
- 5) E
 $M = 10D + 8$
 $M = 10(12) + 8 = 120 + 8 = \128
- 6) E
 $Y = 4(3) - 1, \quad Y = 11$
- 7) B
 $A = 6(0) + 4, \quad A = 4$
- 8) E
 $R = (2) - 5, \quad R = -3$
- 9) A
 $(13) = 3(4) + 1, \quad 13 = 13$
- 10) D
 $(-6) = (-2) - 4, \quad -6 = -6$
- 11) B
 (The line includes point (0, 1), so test the equations to see which one is true for these values of X and Y.)
- 12) E
 (the Y axis includes all the points where X = 0)
- 13) C
 (check the values for point (0, 2) in the equations)
- 14) B
 (make a chart of possible values of X and Y for each equation and check with the graph)
- 15) E

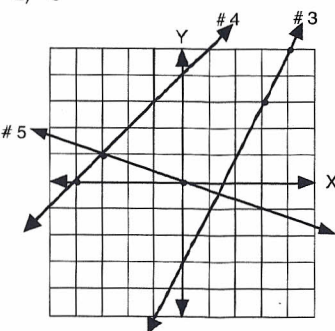
Test 7

- 1) C
- 2) D
- 3) A
- 4) C
- 5) D
- 6) C
 slope is rise over run or $3/4$
- 7) A
 rise/run = $2/2 = 1$
- 8) D
- 9) B
 rise/run = $2/3$
- 10) A
 rise/run = $1/-1 = -1$
- 11) E
- 12) C
 rise/run = $3/1 = 3$
- 13) E
 (No line crosses the Y-axis at 3.)
- 14) A
 (The line crosses the Y-axis at -2.)
- 15) C
 (The line crosses the Y-axis at -3.)

Test 8

- 1) A
- 2) D
- 3) E
- 4) C
- 5) D
- 6) A
- 7) C
- 8) E
- 9) B
 Y-intercept is the point where X = 0
- 10) A

 $\text{slope} = \frac{3}{1} = 3$
- 11) C
 slope = 3, Y-intercept = 2
- 12) B
 slope = $\frac{1}{1} = 1$
- 13) B
 slope = $\frac{-2}{1} = -2$
- 14) A
 slope = $\frac{0}{\text{any } X} = 0$
- 15) A
 slope = $\frac{-1}{1} = -1$

Test 9

- 1) A
- 2) C

- 3) D
 slope = $\frac{2}{1} = 2$
- 4) C
 slope = $\frac{1}{1} = 1$
- 5) B
 slope = $\frac{-1}{3} = -1/3$
- 6) B
 (original equation may be written $Y = 3X + 2$)
- 7) A
 (original equation may be written $Y = 2X + 1$)
- 8) A
- 9) E
- 10) E
- 11) D
- 12) D
- 13) A
- 14) E
 slope = $\frac{-3}{1} = -3$
- 15) C