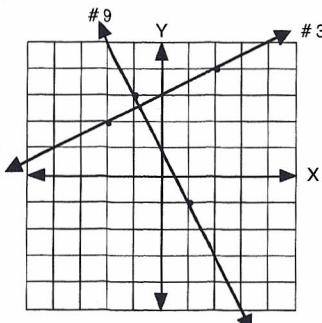


Unit test solutions are at the end of the test solutions.

Test 10

1) C

2) E



3) B slope =  $\frac{2}{4} = 1/2$

4) D

5) D

6) A

7) C  
-2 is the negative reciprocal of 1/2

8) C slope =  $\frac{-4}{2} = -2$

9) E

10) A

11) B

12) D

13) E

14) E

15) C  
 $3Y = -6X + 12$   
 $Y = -2X + 4$ , so slope is -2  
and negative reciprocal is 1/2

Test 11

1) D slope =  $\frac{3 - 1}{5 - 2} = 2/3$

2) B slope =  $\frac{1 - 0}{-2 - 4} = -1/6$

3) E slope =  $\frac{8 - (-2)}{4 - (-3)} = 10/7$

4) E

5) B

6) C

7) A

8) B  $(Y = -2/3 X + 4/3)$

9) D  $(Y = 2X + 8)$

10) C

11) B  
 $(1) = 3(2) + b$   
 $1 = 6 + b$ ,  $-5 = b$

12) A  
 $(-2) = -1(-2) + b$   
 $-2 = 2 + b$ ,  $-4 = b$

13) E slope =  $\frac{3 - 1}{6 - 4} = 2/2 = 1$

$(3) = 1(6) + b$ ,  $-3 = b$   
or  $(1) = 1(4) + b$ ,  $-3 = b$

14) B slope =  $\frac{6 - 0}{-4 - 1} = -6/5$

$(0) = -6/5(1) + b$ ,  $6/5 = b$   
or  $(6) = -6/5(-4) + b$ ,  $6/5 = b$

15) A  
 $(3) = -1(2) + b$ ,  $5 = b$

Test 12

1) B

2) E  
dividing by a negative number  
changes the sign

3) B  
dividing by a positive number  
does not change the sign

4) C  
sketch graph to determine location  
slope = 1, Y-intercept = -4

5) C

6) B (see #3)

7) D  
slope = 3, Y-intercept = 1, dotted line

8) E (see #2)

9) C  
slope = 2, Y-intercept = -4, dotted line

10) D (see #2)

11) A  
slope = 3, Y-intercept = -4, solid line

12) B (see #3)

13) E  
slope = 3, Y-intercept = 4, solid line

14) A (see #2)

15) B  
slope = -3, Y-intercept = -1, dotted line

Test 13

1) A

2) B

3) D

4) E  
slope = -4, Y-intercept = -2

5) B  
slope = 1, Y-intercept = 3

6) C (from the graph)

7) E  
slope = 4, Y-intercept = 2

8) B (from the graph)

9) A  
slope = -1, Y-intercept = 4

10) C  
slope = 1, Y-intercept = -4

11) D  
slope = 4, Y-intercept = 1

12) C  
slope = -4, Y-intercept = 1

13) B  
slope = -1, Y-intercept = 4

14) E (from the graph)

15) B (from the graph)