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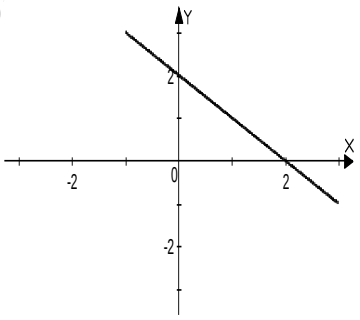
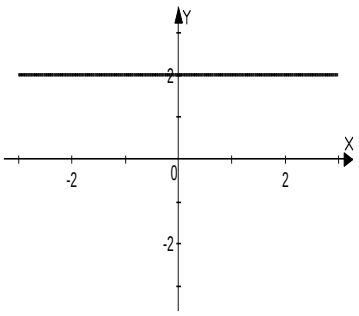
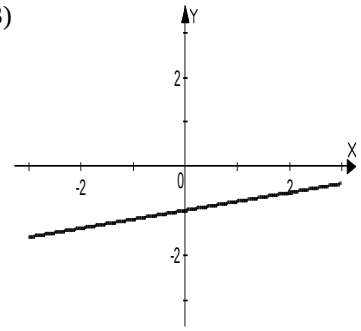
NAME _____ DATE _____

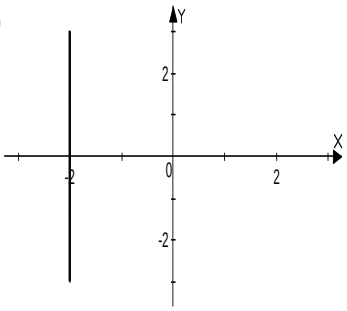
SLOPE: Worksheet 2

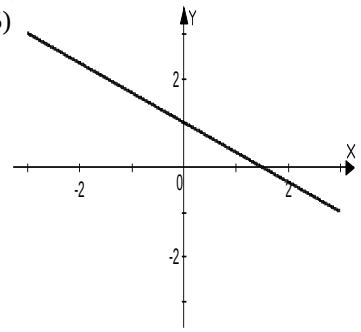
Tell whether the slope of each line is *positive, negative, zero or undefined*.

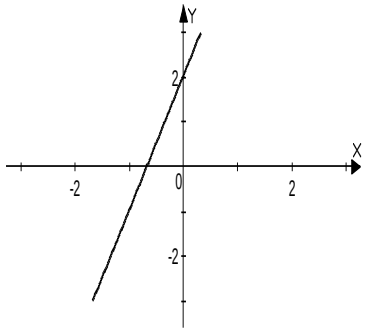
1) 

2) 

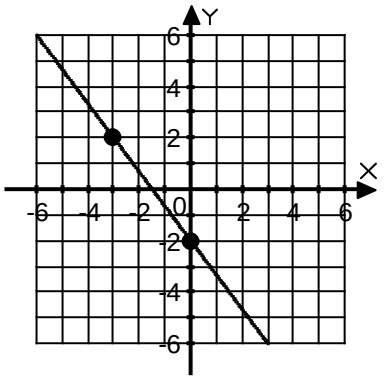
3) 

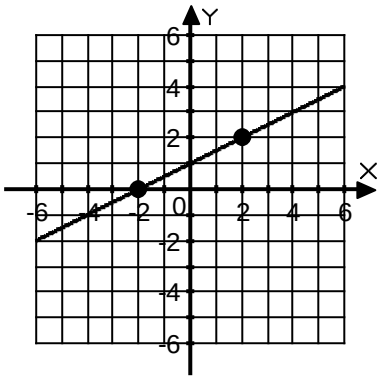
4) 

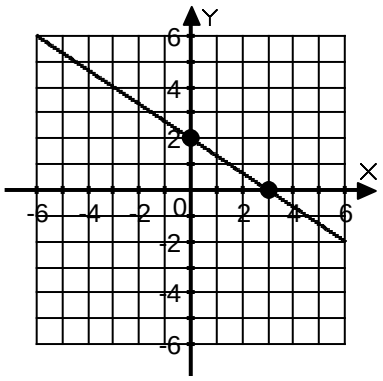
5) 

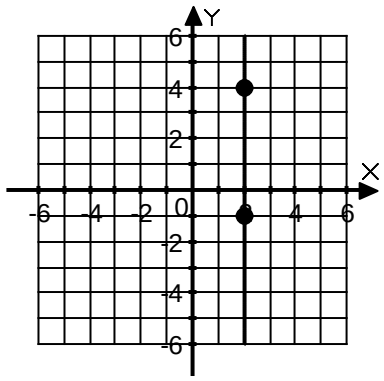
6) 

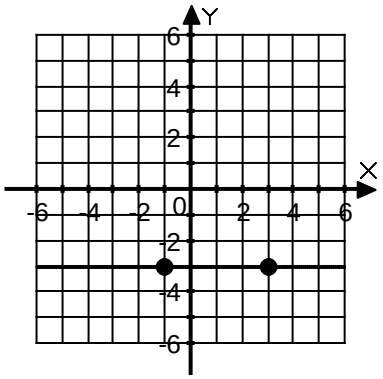
Find the slope of the line in each graph.

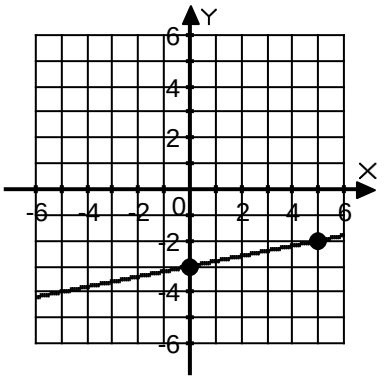
7) 

8) 

9) 

10) 

11) 

12) 

Find the slope of the line containing the following points.

13) A(2,7) B(1,-4)

14) C(0,2) D(-3,1)

15) E(-1,-1) F(3,1)

16) G(0,0) H(-2,5)

17) I(-9,2) J(-2,5)

18) K(3,1) L(5,5)

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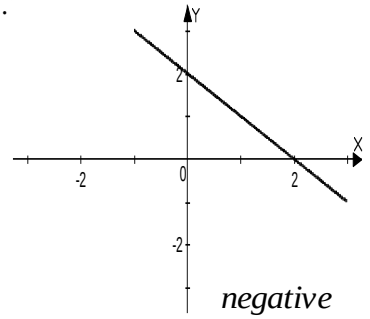
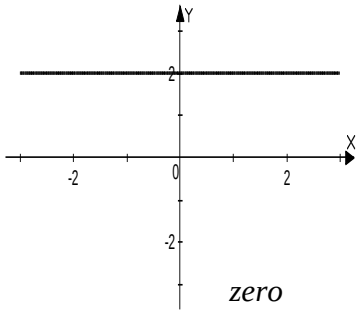
KEY
SLOPE: Worksheet 2

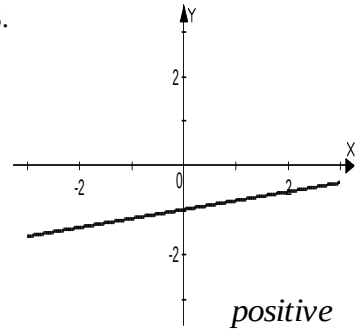
Tell whether the slope of each line is *positive, negative, zero or undefined*.

1. 

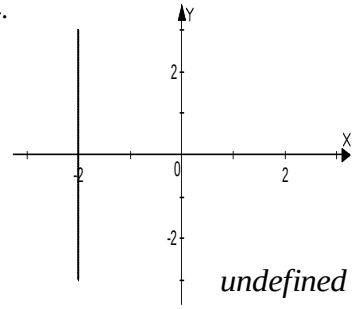
negative

2. 

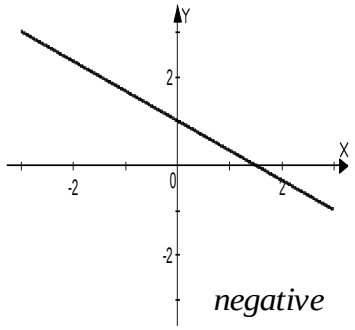
zero

3. 

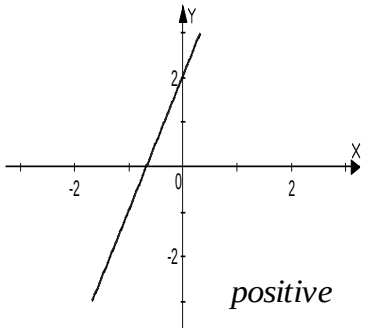
positive

4. 

undefined

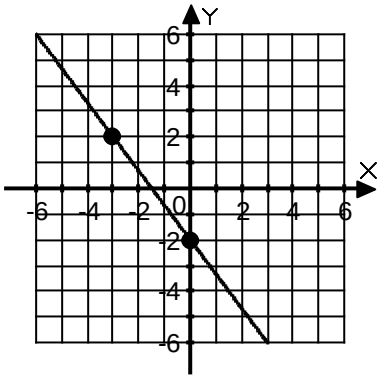
5. 

negative

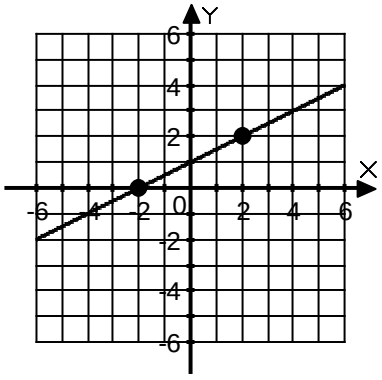
6. 

positive

Find the slope of the line in each graph.

7) 

$\frac{rise}{run} = \frac{4}{-3} = -\frac{4}{3}$

8) 

$\frac{rise}{run} = \frac{2}{4} = \frac{1}{2}$

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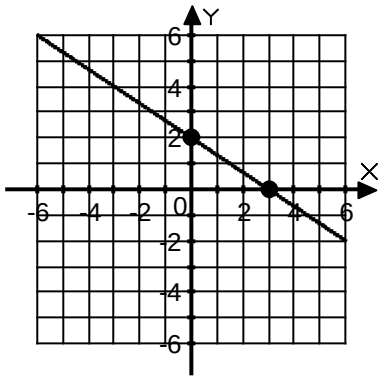
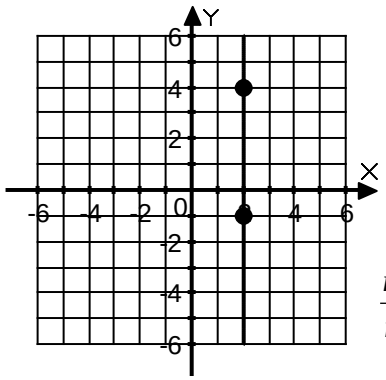
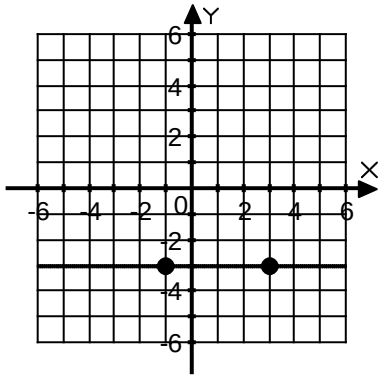
9) 

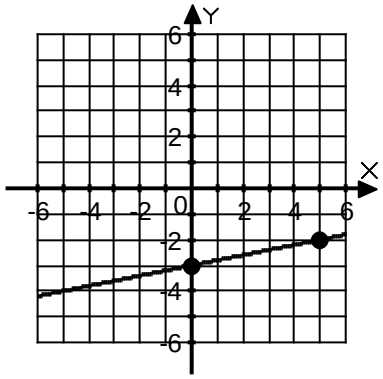
$$\frac{rise}{run} = \frac{2}{-3} = -\frac{2}{3}$$

10) 

$$\frac{rise}{run} = \frac{5}{0} = undefined$$

11) 

$$\frac{rise}{run} = \frac{0}{4} = 0$$

12) 

$$\frac{rise}{run} = \frac{1}{5}$$

Find the slope of the line containing the following points.

13) A(2,7) B(1,-4) $\frac{y_2 - y_1}{x_2 - x_1} = \frac{-4-7}{1-2} = \frac{-11}{-1} = 11$

14) C(0,2) D(-3,1) $\frac{y_2 - y_1}{x_2 - x_1} = \frac{1-2}{-3-0} = \frac{-1}{-3} = \frac{1}{3}$

15) E(-1,-1) F(3,1) $\frac{y_2 - y_1}{x_2 - x_1} = \frac{1-(-1)}{3-(-1)} = \frac{2}{4} = \frac{1}{2}$

16) G(0,0) H(-2,5) $\frac{y_2 - y_1}{x_2 - x_1} = \frac{5-0}{-2-0} = \frac{5}{-2} = -\frac{5}{2}$

17) I(-9,2) J(-2,5) $\frac{y_2 - y_1}{x_2 - x_1} = \frac{5-2}{-2-(-9)} = \frac{3}{7}$

18) K(3,1) L(5,5) $\frac{y_2 - y_1}{x_2 - x_1} = \frac{5-1}{5-3} = \frac{4}{2} = 2$