# Jmath.net

NAME _____          DATE _____

SLOPE: Worksheet 1

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

1)
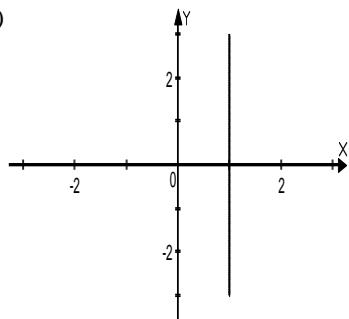
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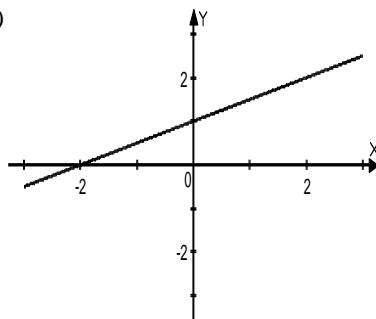
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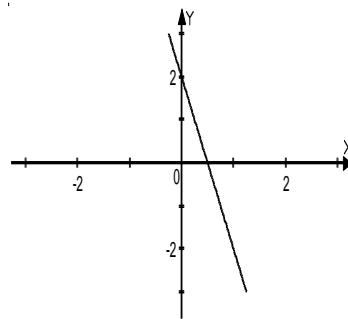
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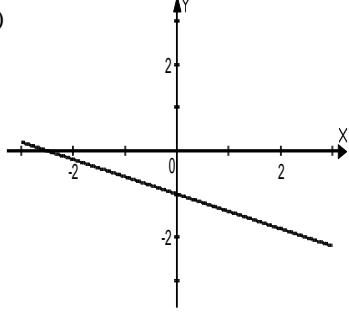
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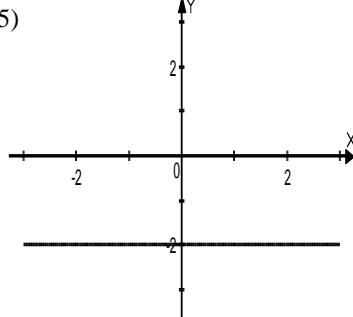
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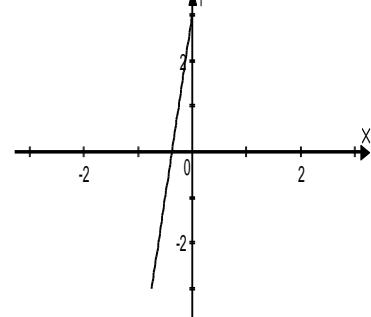
Find the slope of the line in each graph.

7)
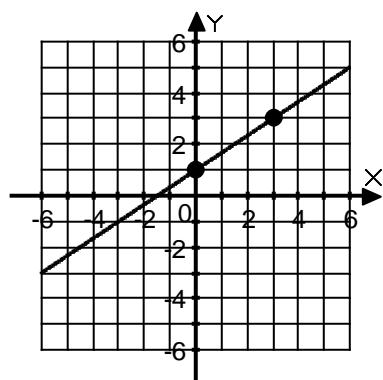
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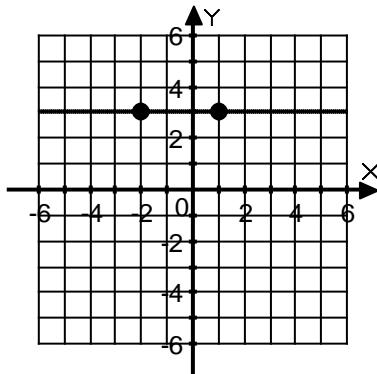
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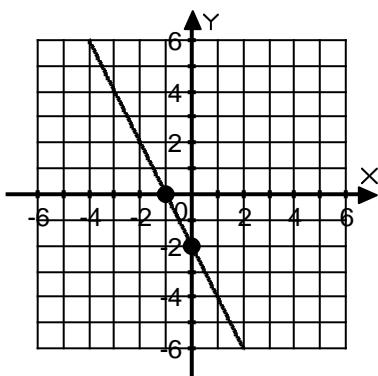
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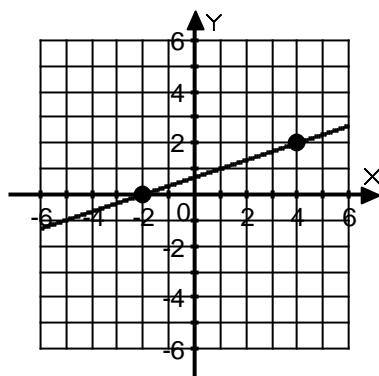
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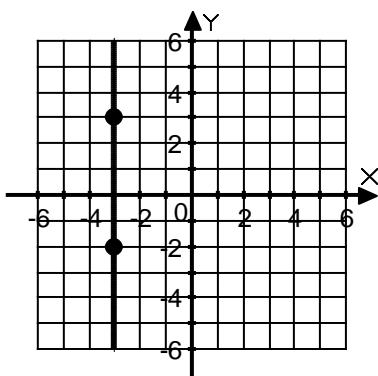
12)
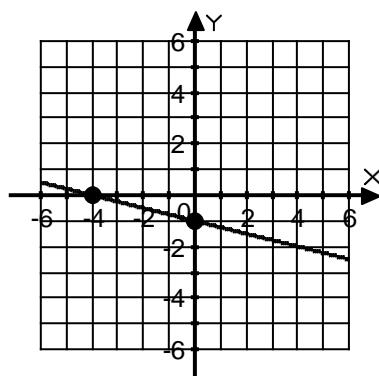
Find the slope of the line containing the following points.

13)  A(3,4)   B(2,6)

14)  C(2,0)   D(6,-3)

15)  E(0,1)   F(2,3)

16)  G(8,-6)   H(4,-1)

17)  I(3,2)   J(10,3)

18)  K(2,12)   L(-4,-8)

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KEY
SLOPE: Worksheet 1

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

1)

*undefined*

2)

*positive*

3)

*negative*

4)

*negative*

5)

*zero*

6)

*positive*

Find the slope of the line in each graph.

7)

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

8)

$$\frac{rise}{run} = \frac{0}{3} = 0$$

9)

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

10)

$$\frac{rise}{run} = \frac{2}{6} = \frac{1}{3}$$

11)
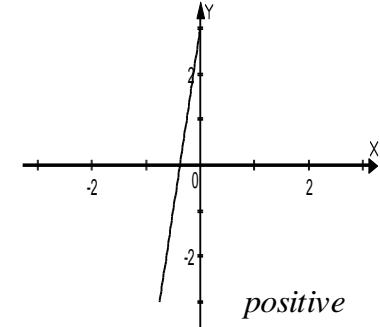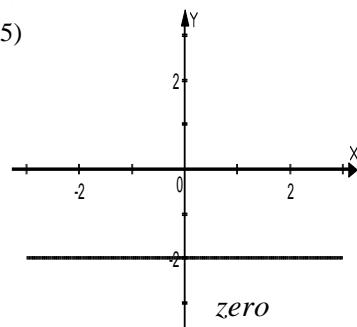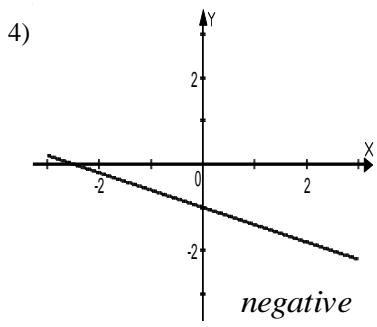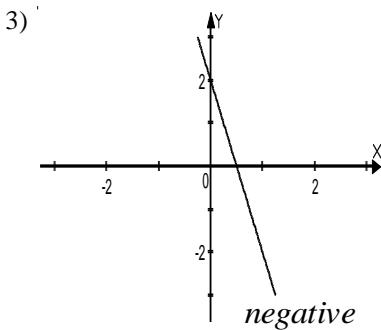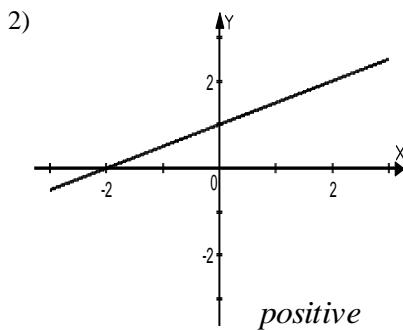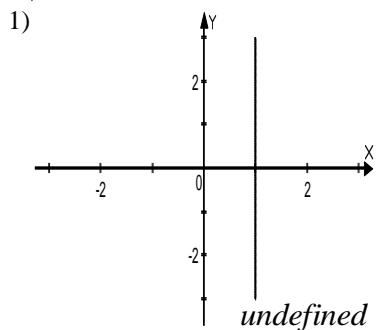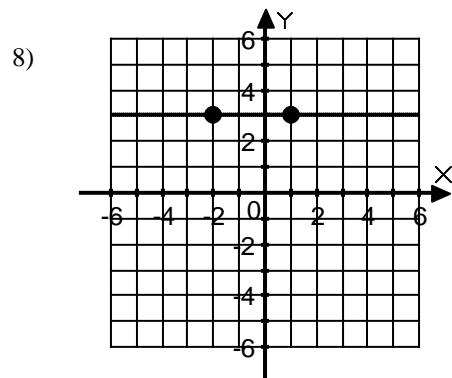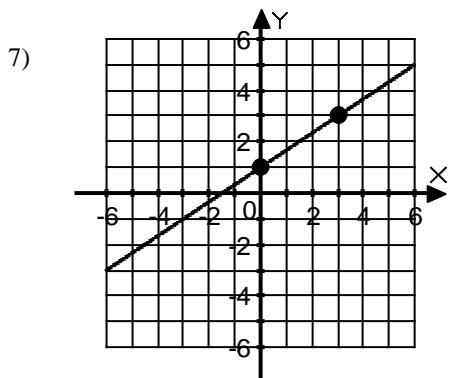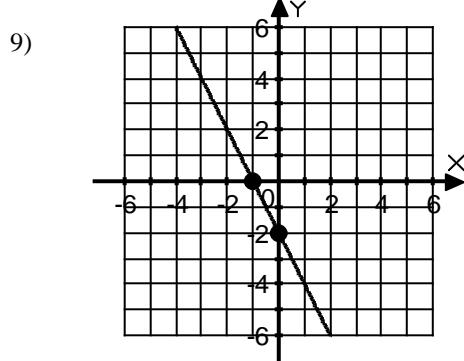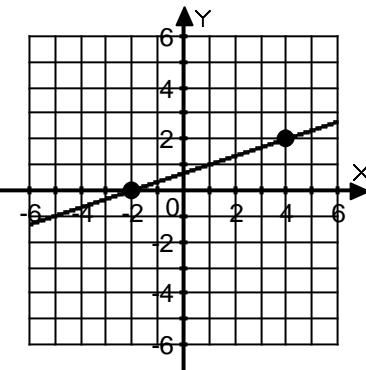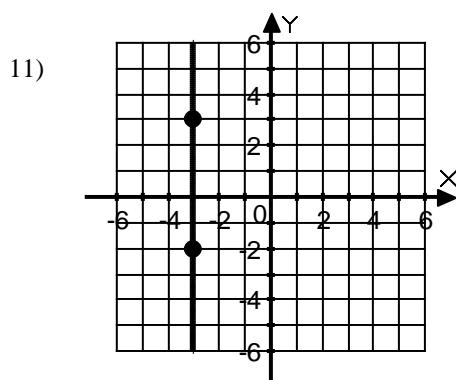
$$\frac{rise}{run} = \frac{5}{0} = undefined$$

12)
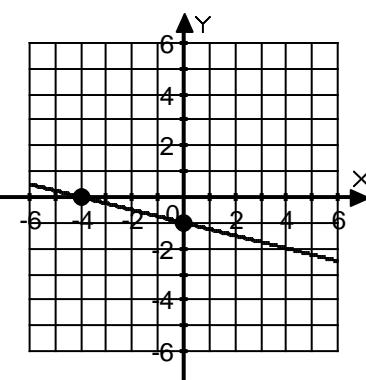
$$\frac{rise}{run} = \frac{1}{-4} = -\frac{1}{4}$$

Find the slope of the line containing the following points.

13)  A(3,4)   B(2,6)     $\dfrac{y_2 - y_1}{x_2 - x_1} = \dfrac{6-4}{2-3} = \dfrac{2}{-1} = -2$

14)  C(2,0)   D(6,-3)     $\dfrac{y_2 - y_1}{x_2 - x_1} = \dfrac{3-0}{6-2} = \dfrac{3}{4}$

15)  E(0,1)   F(2,3)     $\dfrac{y_2 - y_1}{x_2 - x_1} = \dfrac{3-1}{2-0} = \dfrac{2}{2} = 1$

16)  G(8,-6)  H(4,-1)     $\dfrac{y_2 - y_1}{x_2 - x_1} = \dfrac{-1-(-6)}{4-8} = \dfrac{5}{-4} = -\dfrac{5}{4}$

17)  I(3,2)   J(10,3)     $\dfrac{y_2 - y_1}{x_2 - x_1} = \dfrac{3-2}{10-3} = \dfrac{1}{7}$

18)  K(2,12)  L(-4,-8)     $\dfrac{y_2 - y_1}{x_2 - x_1} = \dfrac{-8-12}{-4-2} = \dfrac{-20}{-6} = \dfrac{10}{3}$