Distance between Two Points

Find the distance between each pair of points. Round your answer to two decimal places.

1) (−1, −7), (−9, −8)

2) (−3, 8), (2, 3)

3) (4, 0), (0, 10)

4) (2, 8), (−5, 6)

5) (−10, −4), (0, 2)

6) (7, 5), (−6, −5)

7) (−4, 1), (−2, −7)

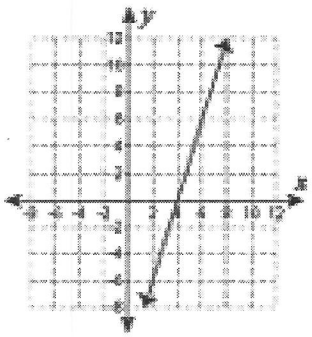
8) (8, −1), (3, −9)

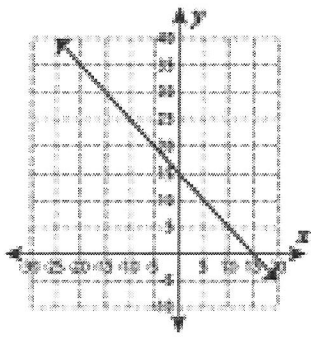
9) (9, 6), (6, 10)

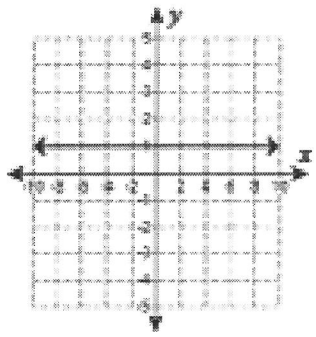
10) (−4, −9), (3, 1)

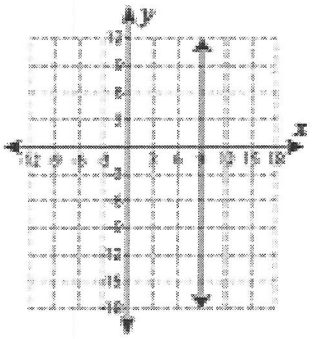
Types of Slope

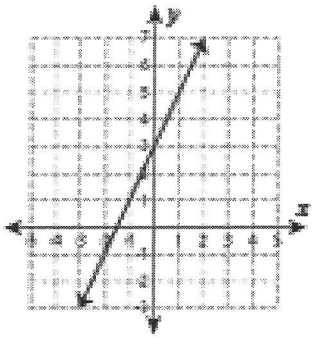
A) Identify the slope in each graph as positive, negative, zero, or undefined.

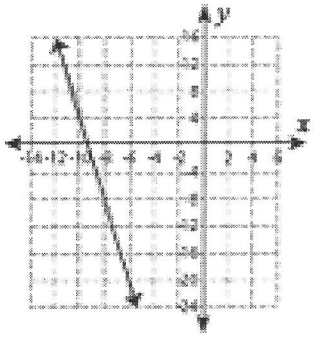
1) 

2) 

3) 

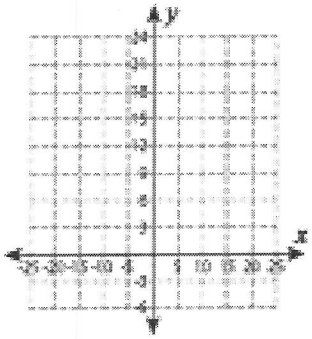
4) 

5) 

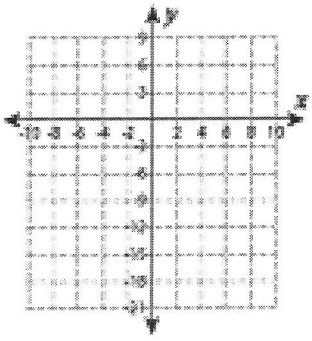
6) 

B) Draw a line through the given coordinates, and identify the type of slope.

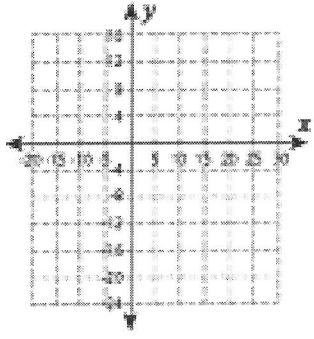
1) (10, 15) and (−15, 15)



2) (−4, 6) and (2, −18)



3) (−10, 8) and (−10, −12)



Slope-Intercept Form

Write each equation of the line in slope-intercept form.

1) $3x + 5 = 9y$

2) $y - 12 = 7x - 12$

3) $2(x + y) = 8$

4) $4y + 6 + \frac{1}{4}x = \frac{3}{2}$

5) $-10x + 5y = 15$

6) $\frac{7}{6}y = x - 14$

7) $\frac{6x}{y + 8} = 3$

8) $5x - 12 = 9(2y - 1)$

9) $\frac{5}{4}(-x - 4) = \frac{1}{8}(6y - 10)$

10) $4x + 1 = -y + \frac{2}{9}$