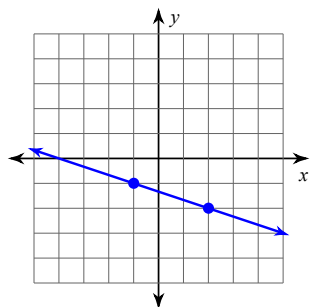


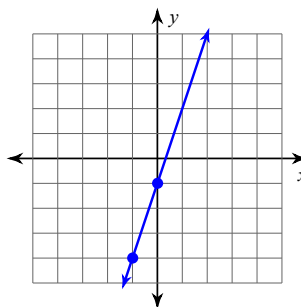
Slope

Find the slope of each line.

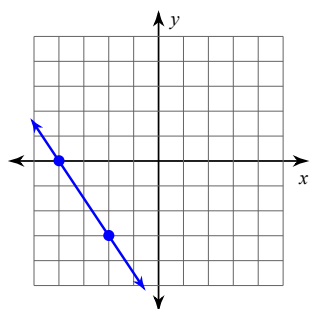
1)



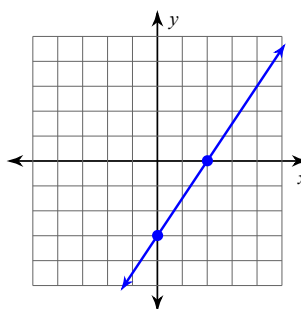
2)



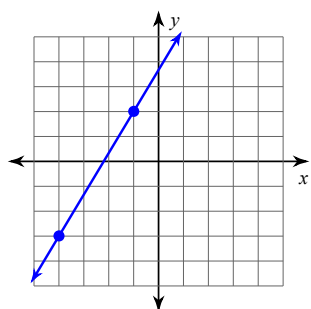
3)



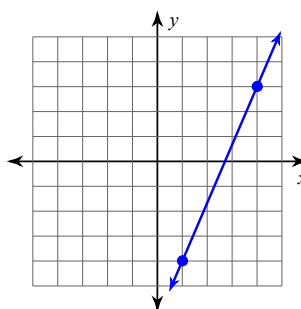
4)



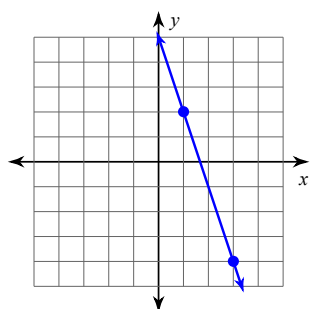
5)



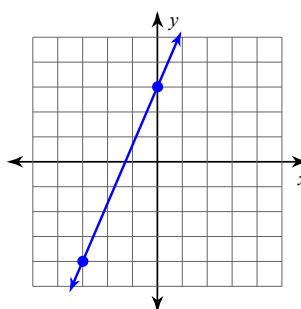
6)



7)



8)



Find the slope of the line through each pair of points.

9) $(8, 10), (-7, 14)$

10) $(-3, 1), (-17, 2)$

11) $(-20, -4), (-12, -10)$

12) $(-12, -5), (0, -8)$

13) $(-19, -6), (15, 16)$

14) $(-6, 9), (7, -9)$

15) $(-18, -20), (-18, -15)$

16) $(12, -18), (11, 12)$

Find the slope of each line.

17) $y = -5x - 1$

18) $y = \frac{1}{3}x - 4$

19) $y = -\frac{1}{5}x - 4$

20) $x = 1$

21) $y = \frac{1}{4}x + 1$

22) $y = -\frac{2}{3}x - 1$

23) $y = -x + 2$

24) $y = -x - 1$

25) $2x + 3y = 9$

26) $5x + 2y = 6$

Name: _____ Date: _____ Per: _____

3.5 Slopes of Lines

Tell whether the lines through the given points are parallel, perpendicular, or neither. Justify your answer.

<p>1. Line 1: $(2, 3), (4, 12)$</p> <p>Line 2: $(5, 10), (14, 8)$</p>	<p>2. Line 1: $(-6, -10), (4, -2)$</p> <p>Line 2: $(-8, -6), (0, 4)$</p>
<p>3. Line 1: $(1, 0), (7, 4)$</p> <p>Line 2: $(7, 0), (3, 6)$</p>	<p>4. Line 1: $(-9, 3), (-5, 7)$</p> <p>Line 2: $(-11, 6), (-7, 2)$</p>