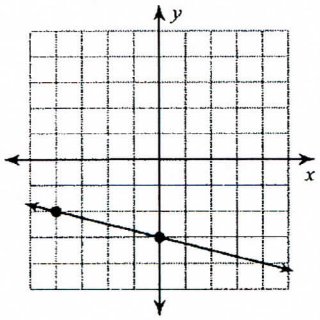
Algebra 1 Name_____

4.3 & 4.4 Rate of Change and The Slope Formula Date_____ Period____

Find the slope of each line.

1)



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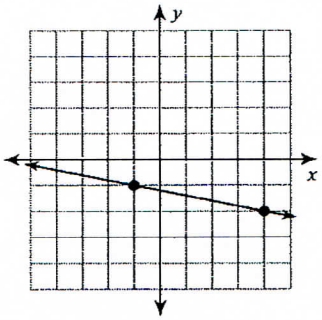

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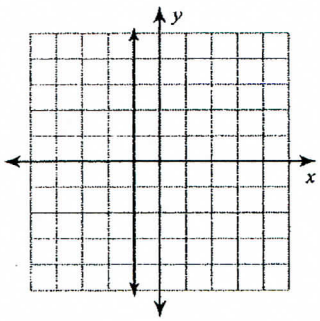

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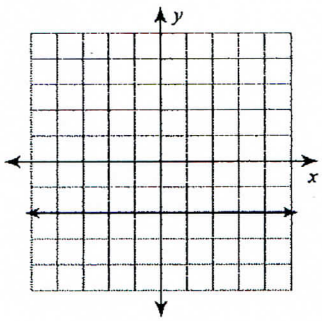

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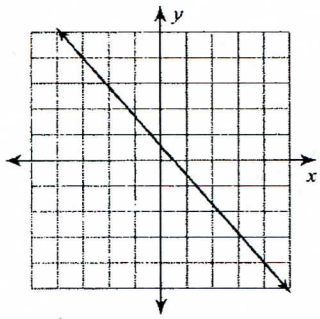

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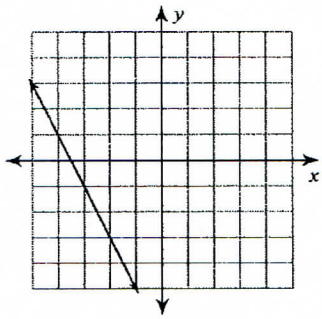


Find the slope of the line through each pair of points.

7) $(-7, -11), (-13, -10)$

8) $(6, -10), (-12, 10)$

Find the slope of each line.

9) $y = -x + 2$

10) $x = -1$

11) $y = -5x - 1$

12) $y = 2x - 2$

13) $-\frac{1}{4}y - \frac{2}{5}x = -1$

14) $0 = 10 + 2x$

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

15) (−2, 2), (3, 4)

16) (−3, −1), (−2, −5)

17) (−1, −2), (1, 2)

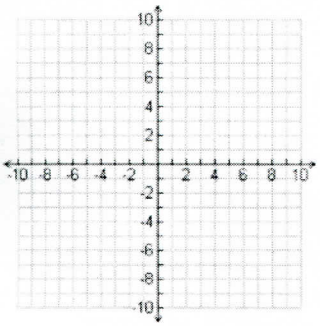
18) (2, 1), (8, −2)

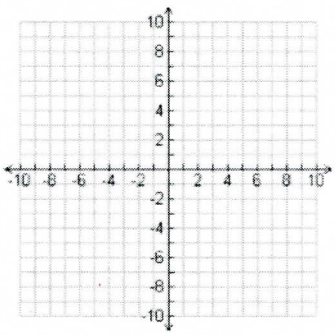
Find the slope and y-intercept from each equation. Then use x- and y- intercepts to graph.

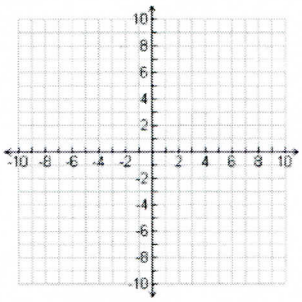
19) 2x + 3y =6

20) 3x – 4y = −12

21) x – y = 6



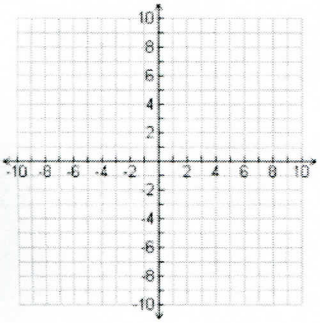


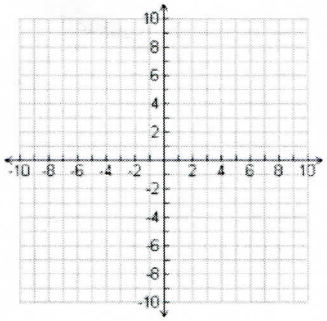


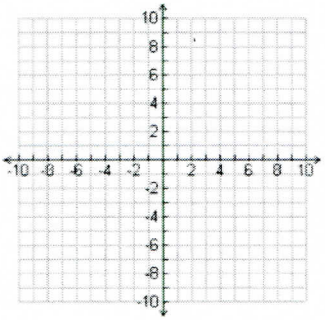
22) 3x – 5y = 15

23) 4x – 6y = −24

24) x + 2y = −8







25) x – 3 = 5

26) 2y – 4 = 10