Algebra 1

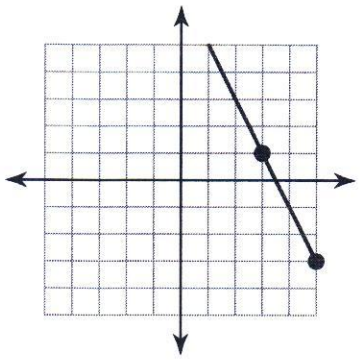
Name_____

Slope-intercept Form Worksheet

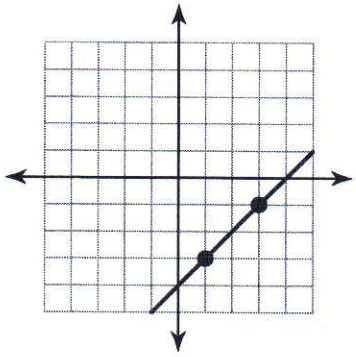
Date_____ Period____

Find the slope of each line.

1)



2)



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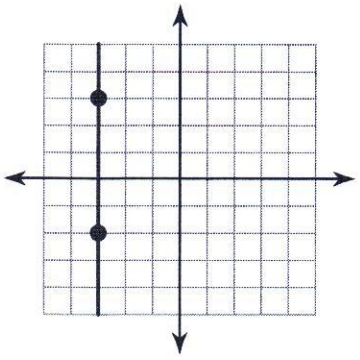

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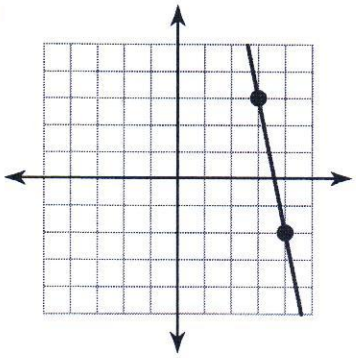

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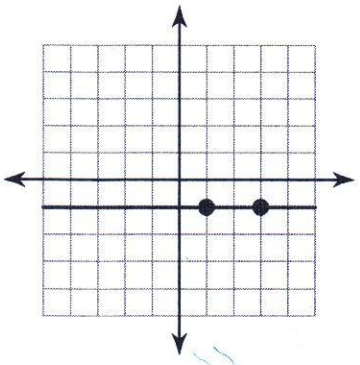
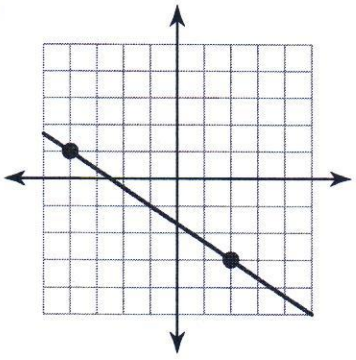


6)



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

7) $(-14, -20), (-5, 9)$

8) $(-1, 1), (5, -6)$

9) $(15, 9), (-14, -9)$

10) $(2, -12), (18, 15)$

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

11) Slope = -1, y-intercept = 2

12) Slope = $\frac{3}{2}$, y-intercept = 3

13) Slope = 3, y-intercept = -2

14) Slope = $\frac{3}{4}$, y-intercept = 1

15) Slope = $\frac{1}{2}$, y-intercept = 1

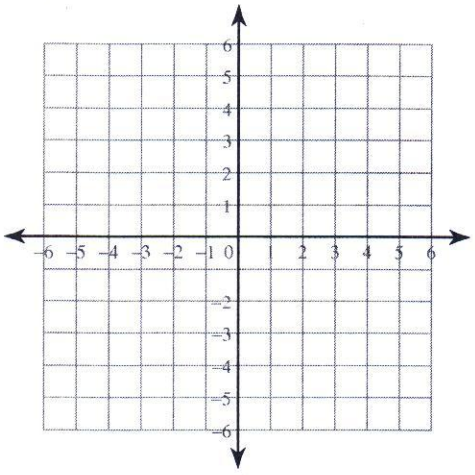
16) Slope = $-\frac{2}{5}$, y-intercept = 0

17) Slope = 7, y-intercept = 2

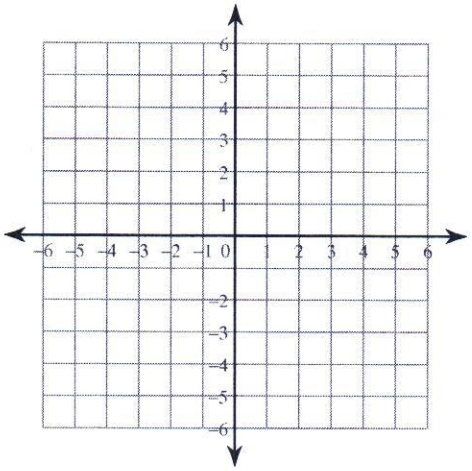
18) Slope = $\frac{4}{3}$, y-intercept = -4

Sketch the graph of each line.

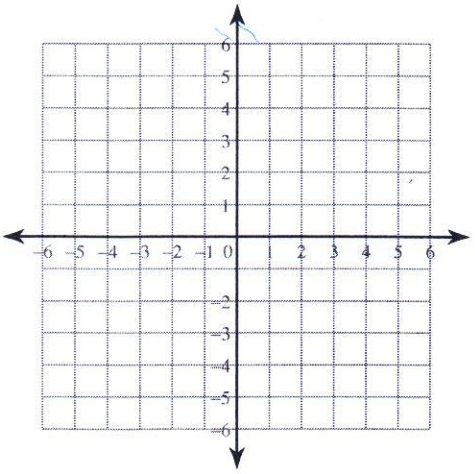
19) $y = x - 4$



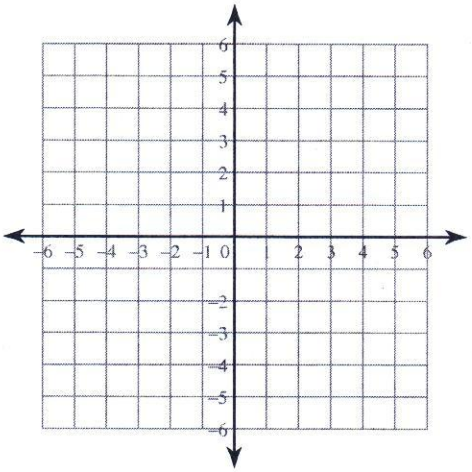
20) $y = 5x - 1$



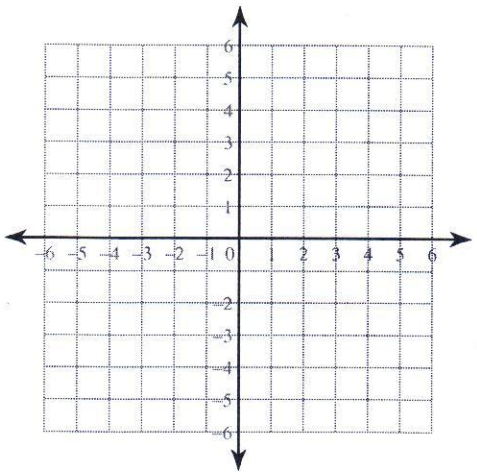
21) $y = -4x + 5$



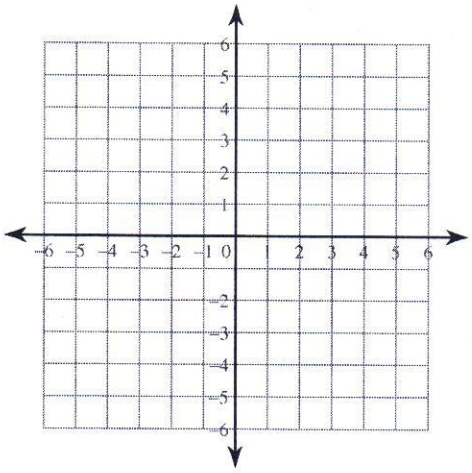
22) $y = x + 5$



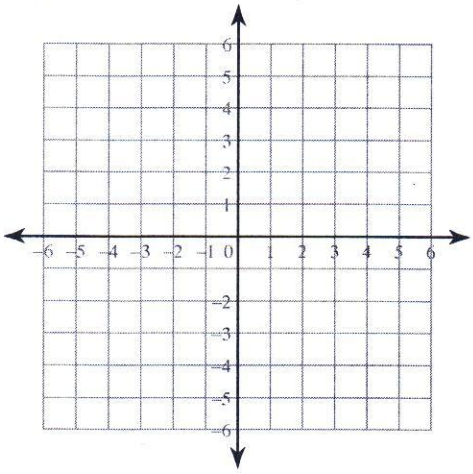
23) $y = -3x + 3$



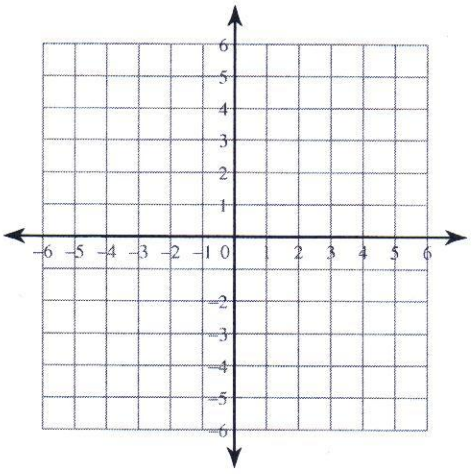
24) $y = -2x - 2$



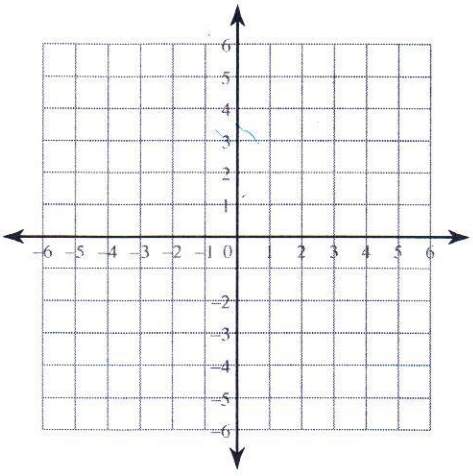
25) $y = 2x - 4$



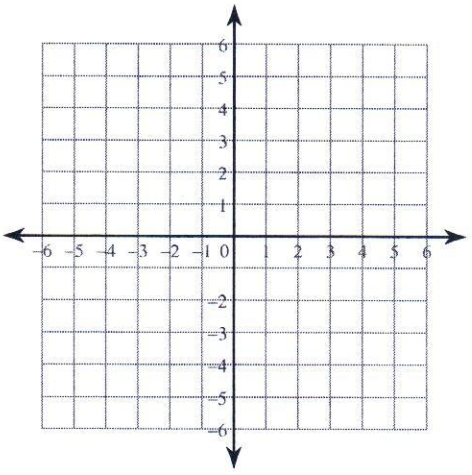
26) $y = \frac{5}{2}x - 3$



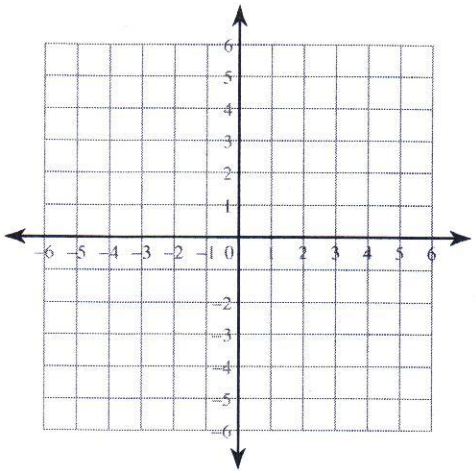
27) $y = \frac{1}{2}x - 1$



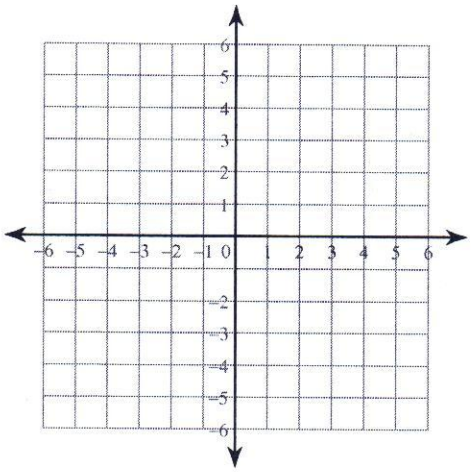
28) $y = \frac{5}{3}x + 5$



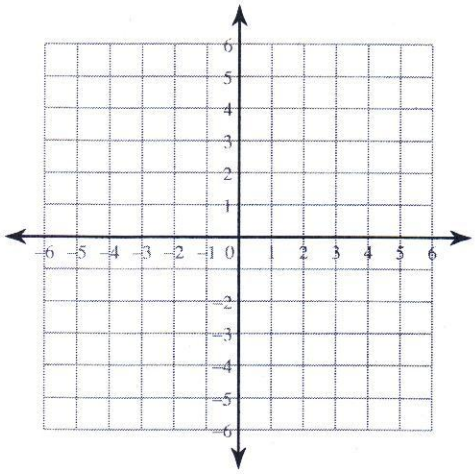
29) $y = \frac{5}{2}x + 5$



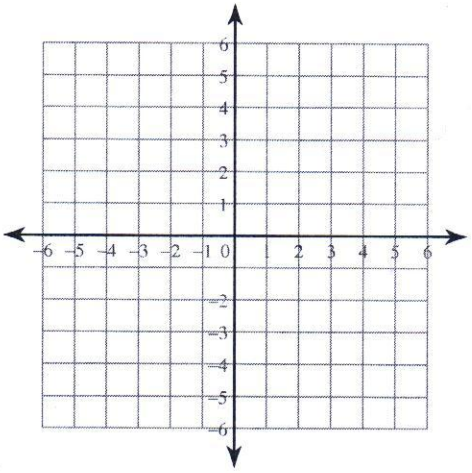
30) $y = \frac{3}{2}x - 1$



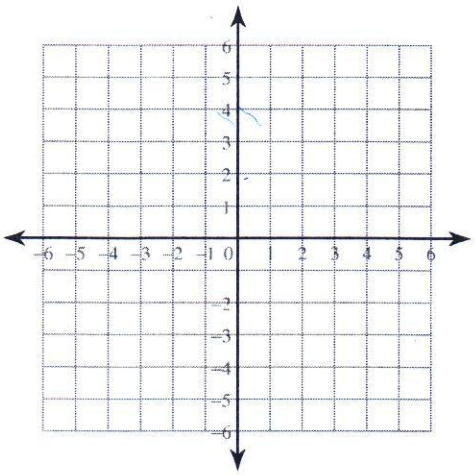
31) $y = -\frac{3}{2}x - 2$



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



33) $y = -\frac{3}{5}x + 1$



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