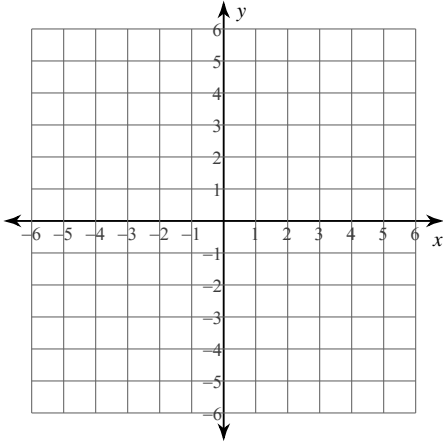


Assignment

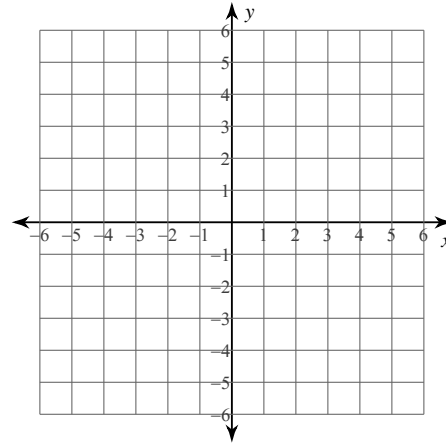
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Sketch the graph of each line.

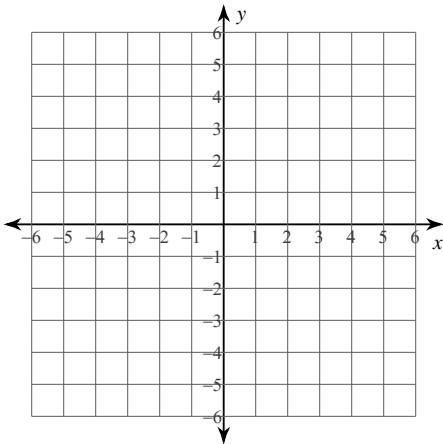
1) $y = -\frac{6}{5}x + 1$



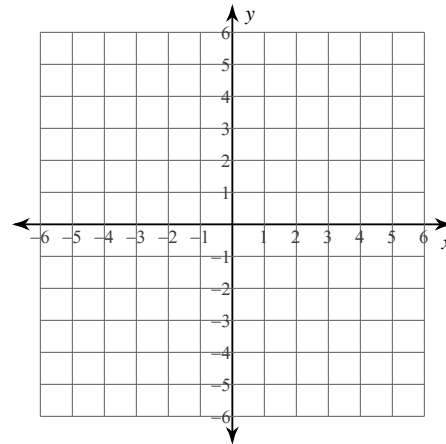
2) $y = -3x - 1$



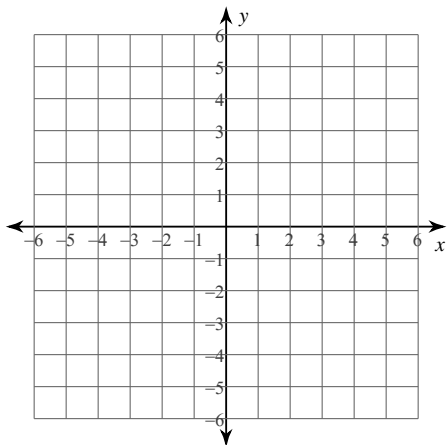
3) $y = -\frac{8}{5}x - 5$



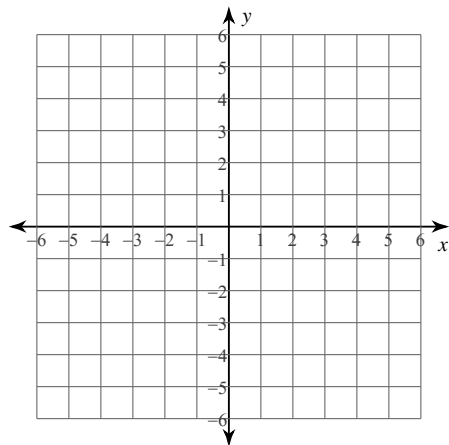
4) $y = \frac{7}{2}x - 3$



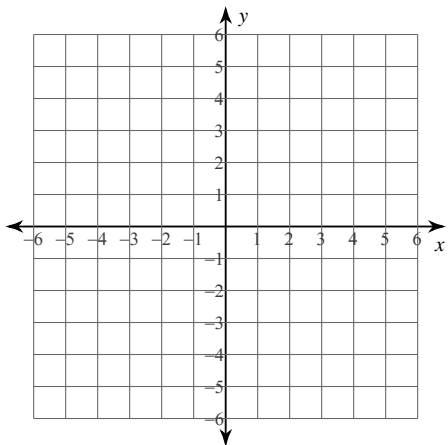
5) $y = 2x + 5$



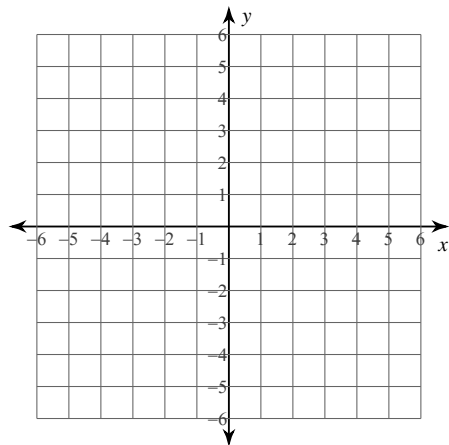
6) $x + y = -1$



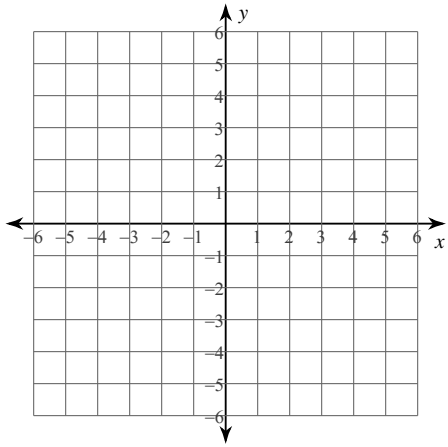
7) $6x - y = -1$



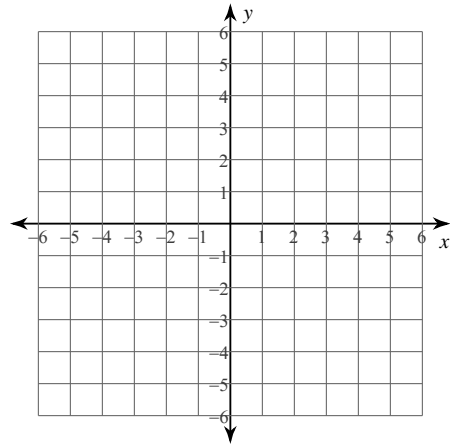
8) $7x - 4y = -12$



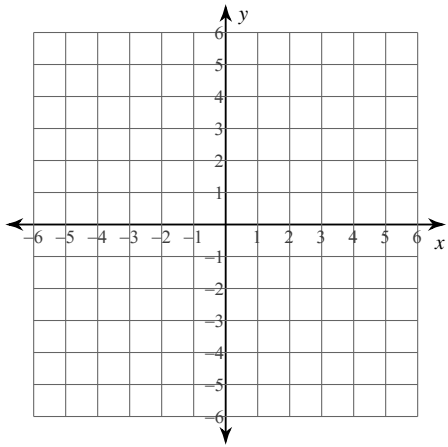
9) $7x + 3y = -6$



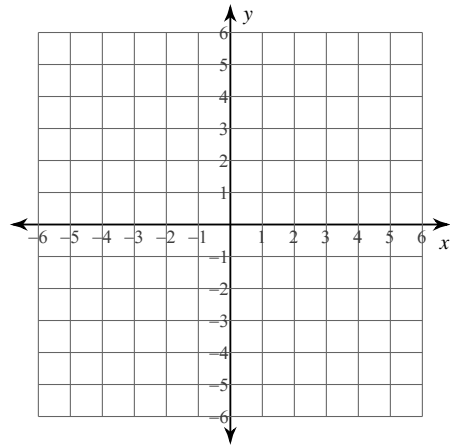
10) $7x + 3y = 12$



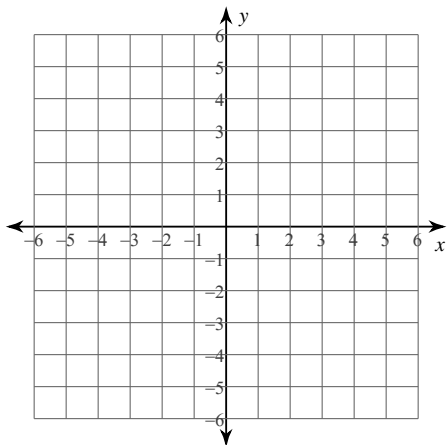
11) $-2y = 8 + 5x$



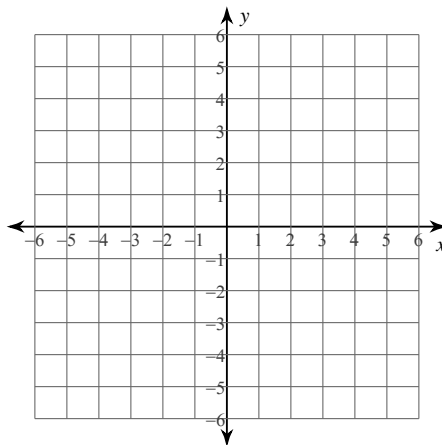
12) $-3y = x$



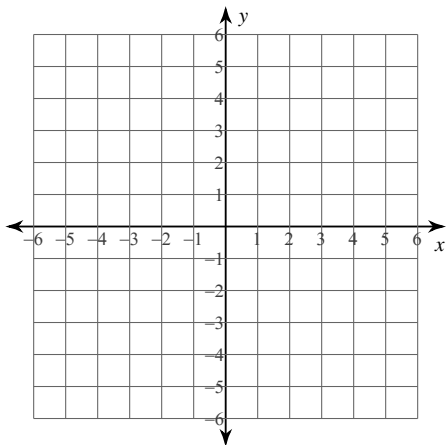
13) $x = y - 4$



14) $-1 = x - y$



15) $4x - 15 = -3y$



Write the slope-intercept form of the equation of the line through the given point with the given slope.

16) through: $(-4, 2)$, slope $= \frac{1}{4}$

17) through: $(3, 2)$, slope $= \frac{3}{2}$

18) through: $(3, 5)$, slope = $\frac{1}{6}$

19) through: $(3, -2)$, slope = $-\frac{7}{2}$

20) through: $(2, 4)$, slope = $\frac{1}{2}$

Write the slope-intercept form of the equation of the line through the given points.

21) through: $(-5, -1)$ and $(5, -3)$

22) through: $(0, 1)$ and $(3, 1)$

23) through: $(-1, -2)$ and $(2, 2)$

24) through: $(0, 2)$ and $(1, 5)$

25) through: $(-4, 2)$ and $(0, 0)$

Write the slope-intercept form of the equation of the line described.

26) through: $(5, -2)$, parallel to $y = -x + 1$

27) through: $(-3, 1)$, parallel to $y = \frac{1}{3}x + 1$

28) through: $(3, 4)$, perp. to $y = -3x + 1$

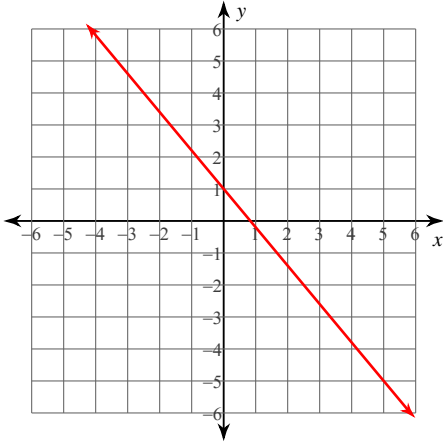
29) through: $(-1, 0)$, perp. to $y = -\frac{1}{5}x + 1$

Assignment

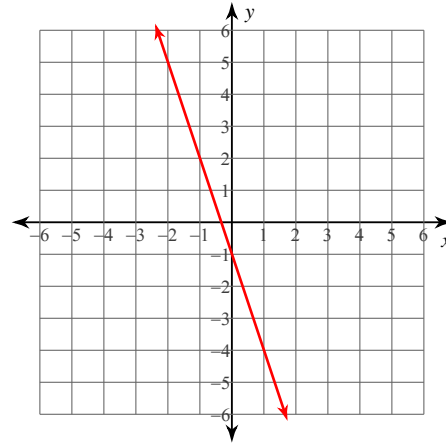
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Sketch the graph of each line.

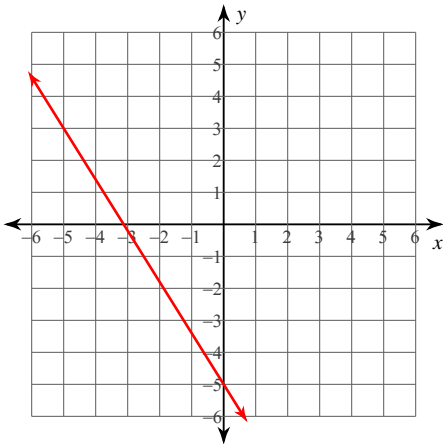
1) $y = -\frac{6}{5}x + 1$



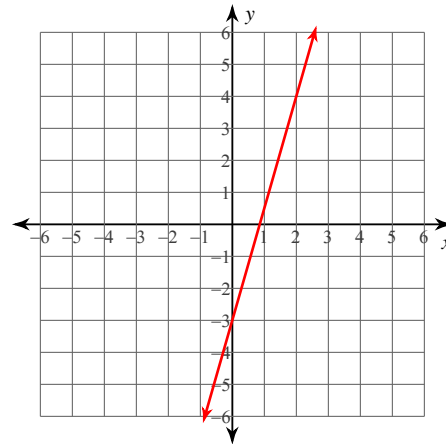
2) $y = -3x - 1$



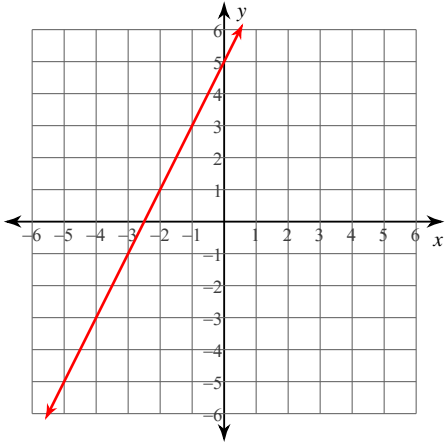
3) $y = -\frac{8}{5}x - 5$



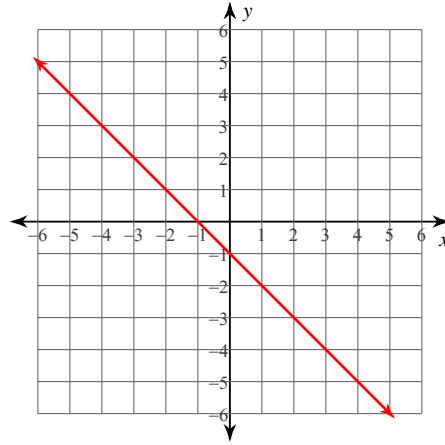
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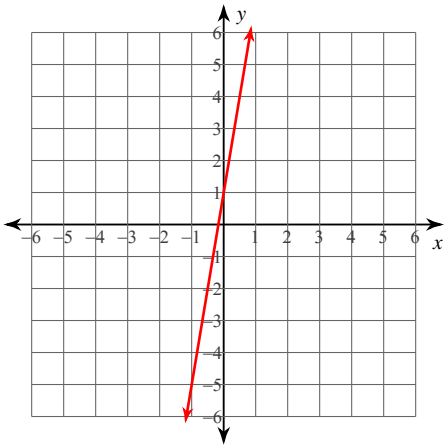
5) $y = 2x + 5$



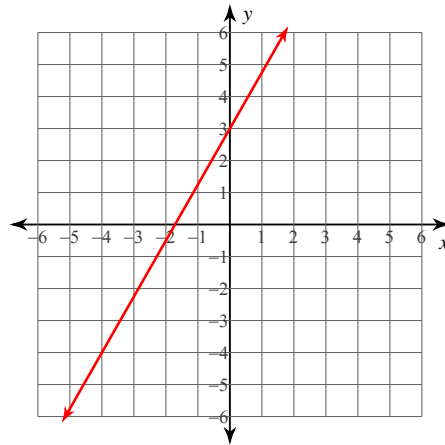
6) $x + y = -1$



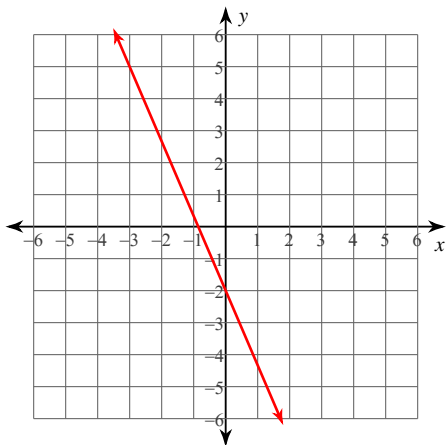
7) $6x - y = -1$



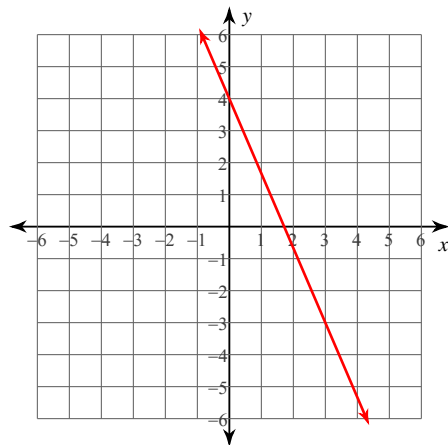
8) $7x - 4y = -12$



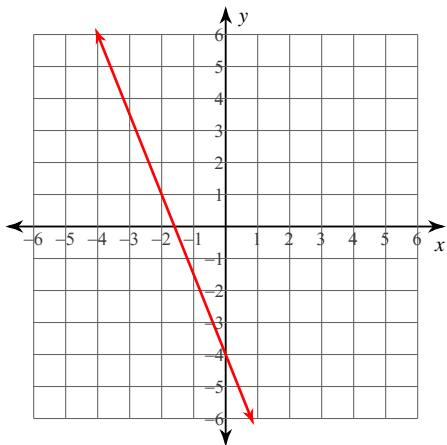
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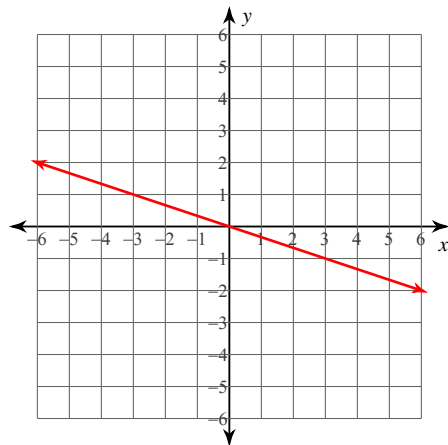
10) $7x + 3y = 12$



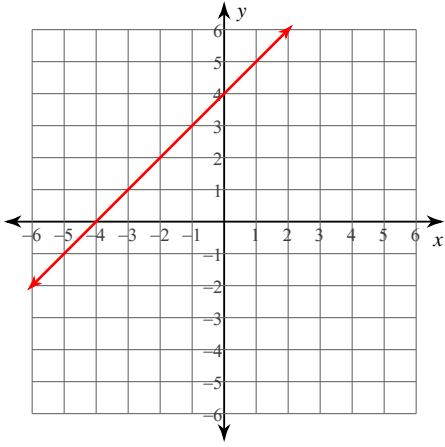
11) $-2y = 8 + 5x$



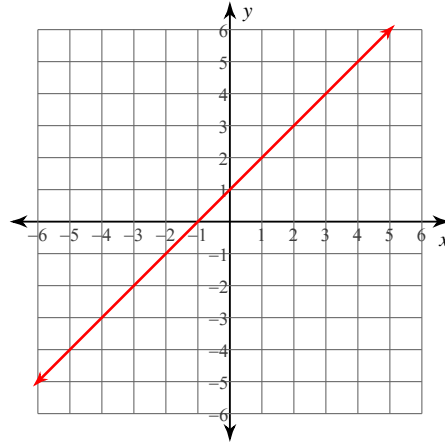
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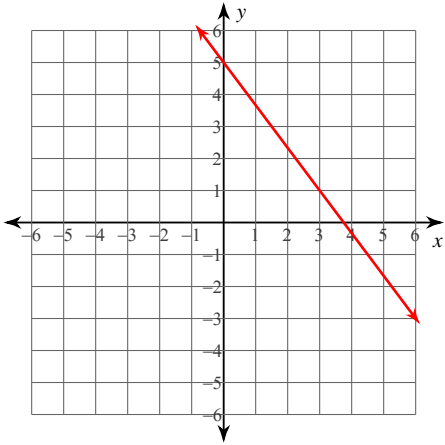
13) $x = y - 4$



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15) $4x - 15 = -3y$



Write the slope-intercept form of the equation of the line through the given point with the given slope.

16) through: $(-4, 2)$, slope $= \frac{1}{4}$

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

17) through: $(3, 2)$, slope $= \frac{3}{2}$

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

18) through: $(3, 5)$, slope = $\frac{1}{6}$

$$y = \frac{1}{6}x + \frac{9}{2}$$

19) through: $(3, -2)$, slope = $-\frac{7}{2}$

$$y = -\frac{7}{2}x + \frac{17}{2}$$

20) through: $(2, 4)$, slope = $\frac{1}{2}$

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

Write the slope-intercept form of the equation of the line through the given points.

21) through: $(-5, -1)$ and $(5, -3)$

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

22) through: $(0, 1)$ and $(3, 1)$

$$y = 1$$

23) through: $(-1, -2)$ and $(2, 2)$

$$y = \frac{4}{3}x - \frac{2}{3}$$

24) through: $(0, 2)$ and $(1, 5)$

$$y = 3x + 2$$

25) through: $(-4, 2)$ and $(0, 0)$

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

Write the slope-intercept form of the equation of the line described.

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

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$$y = \frac{1}{3}x + 3$$

29) through: $(-1, 0)$, perp. to $y = -\frac{1}{5}x + 1$

$$y = 5x + 5$$