14-09-25-T8

Write the standard form of the equation of each line.

1) $y = 3x$

2) $y = -\frac{7}{6}x + 2$

3) $y + 3 = \frac{4}{3}(x + 3)$

4) $y + 5 = 2(x + 4)$

Write the standard form of the equation of the line through the given points.

5) through: $(-2, 1)$ and $(3, 0)$

6) through: $(3, 1)$ and $(5, 1)$

Write the standard form of the equation of the line described.

7) through: $(-1, 3)$, parallel to $y = -x$

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

9) through: $(-3, 1)$, perp. to $y = 2x - 4$

10) through: $(3, -2)$, perp. to $y = 4x + 1$

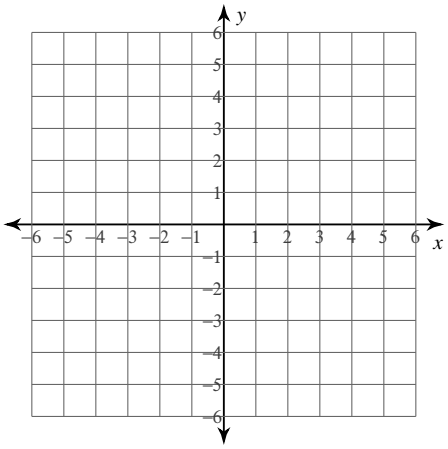
Write the slope-intercept form of the equation of the line through the given points.

11) through: $(4, -5)$ and $(-4, 0)$

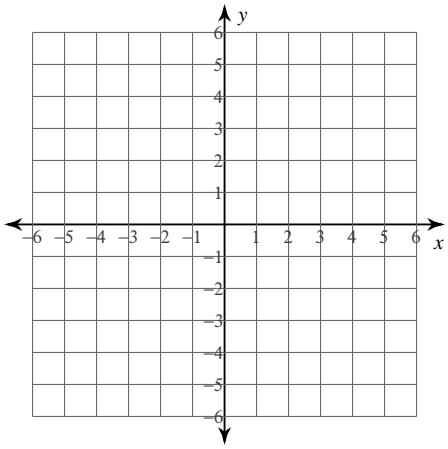
12) through: $(4, 1)$ and $(3, 0)$

Sketch the graph of each line.

13) $3x + y = 2$



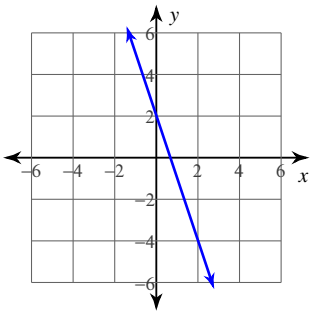
14) $3x - y = -2$



Answers to 14-09-25-T8

1) $3x - y = 0$
2) $7x + 6y = 12$
3) $4x - 3y = -3$
4) $2x - y = -3$
5) $x + 5y = 3$
6) $y = 1$
7) $x + y = 2$
8) $5x + y = 3$
9) $x + 2y = -1$
10) $x + 4y = -5$
11) $y = -\frac{5}{8}x - \frac{5}{2}$
12) $y = x - 3$

13)



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