Intermediate Algebra Name_____ ID: 1

W12: More Graphing

Date_____ Period____

Find the value of x or y so that the line through the points has the given slope.

1) $(1, -7)$ and $(-2, y)$; slope: $-\frac{1}{3}$

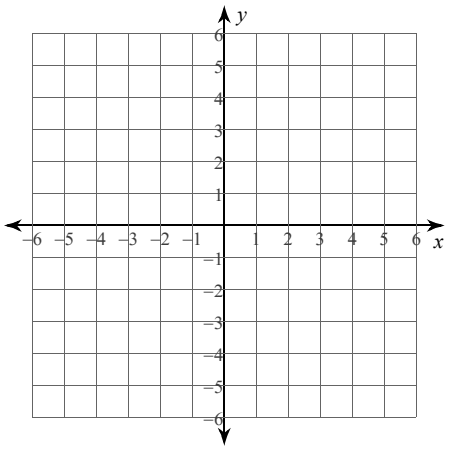
2) $(-5, 0)$ and $(4, y)$; slope: $-\frac{4}{9}$

3) $(-5, y)$ and $(-6, 4)$; slope: -10

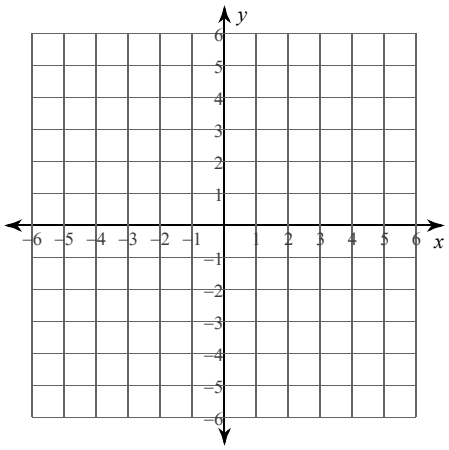
4) $(x, -4)$ and $(6, 4)$; slope: 8

Sketch the graph of each line.

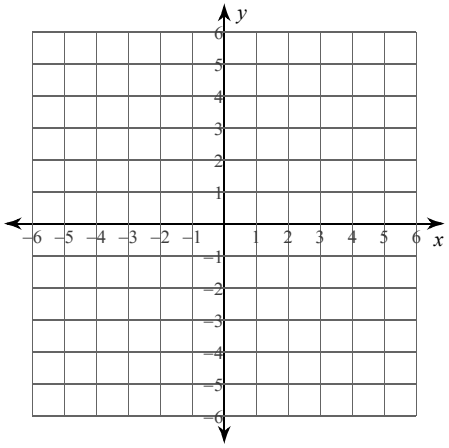
5) $8 = 2y + x$



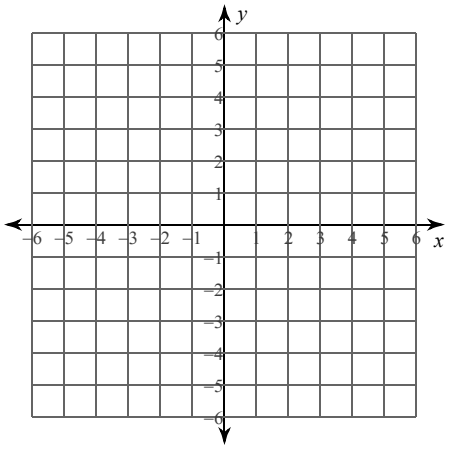
6) $-36 + 3x + 12y = 0$



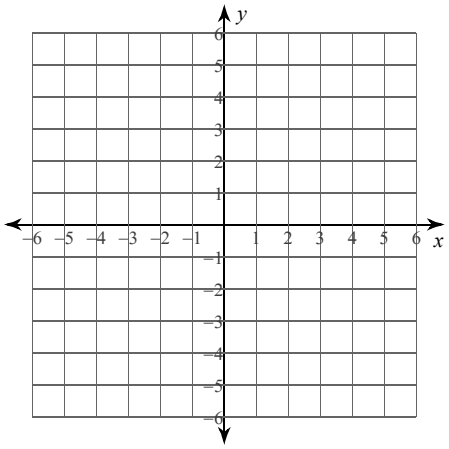
7) $8 - 4y = 7x$



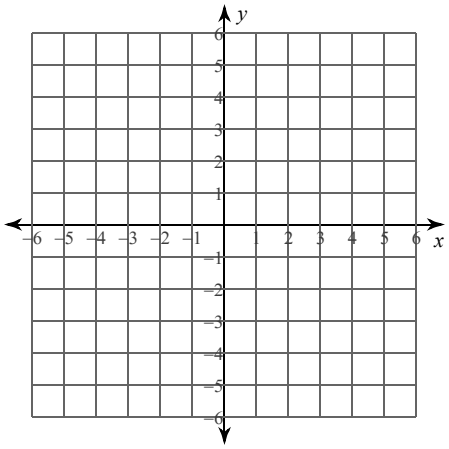
8) $x = -y + 4$



9) $-3y + 4x = 0$

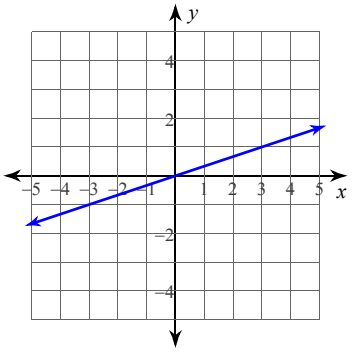


10) $12x = -3y$

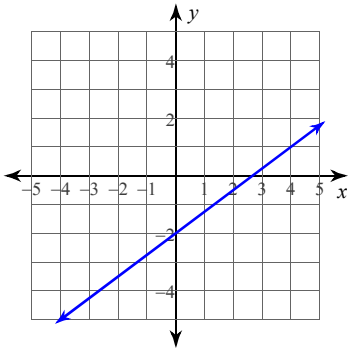


Write the slope-intercept form of the equation of each line.

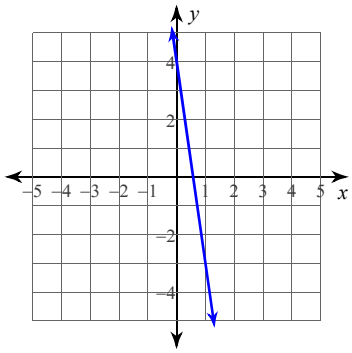
11)



12)



13)



14)