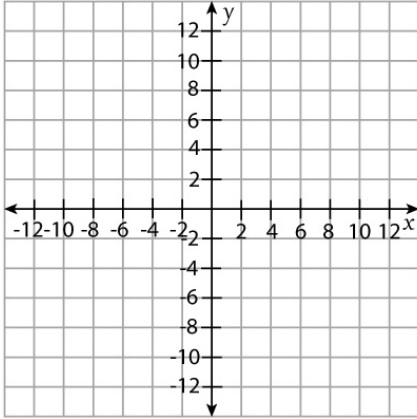


# x/y-Intercepts Worksheet

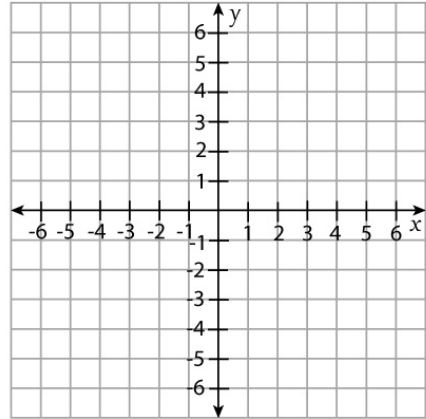
Find both  $x$  and  $y$ -intercepts of the equations

1  $3x - y = 9$



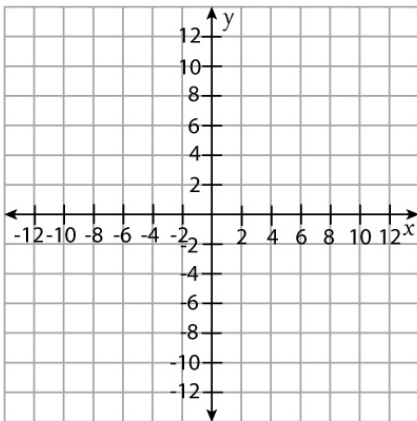
$x$ -intercept: \_\_\_\_\_,  $y$ -intercept: \_\_\_\_\_

2  $2x + 3y = 6$



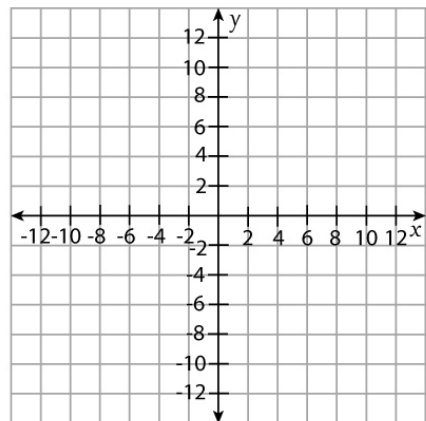
$x$ -intercept: \_\_\_\_\_,  $y$ -intercept: \_\_\_\_\_

3  $x - 2y = -10$



$x$ -intercept: \_\_\_\_\_,  $y$ -intercept: \_\_\_\_\_

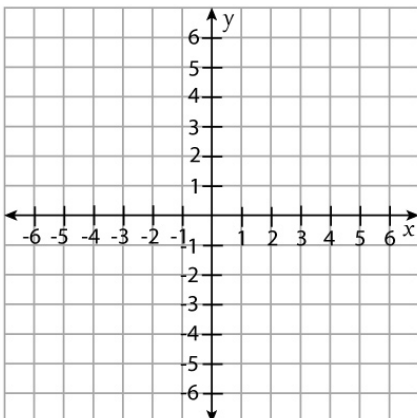
4  $7x + 5y = 42$



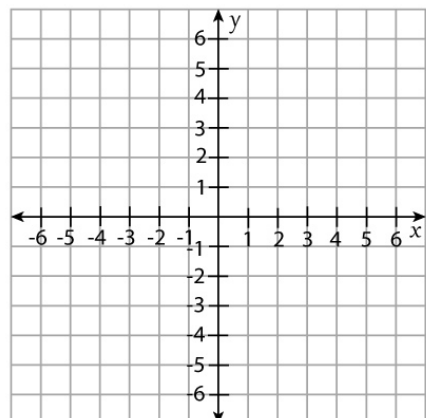
$x$ -intercept: \_\_\_\_\_,  $y$ -intercept: \_\_\_\_\_

Sketch the graph of each line with the given  $x$  and  $y$  intercepts

5  $x$ -intercept = 5,  $y$ -intercept = -4



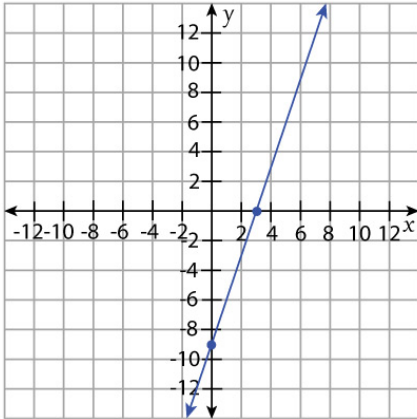
6  $x$ -intercept = -2,  $y$ -intercept = -3



# x/y-Intercepts Worksheet

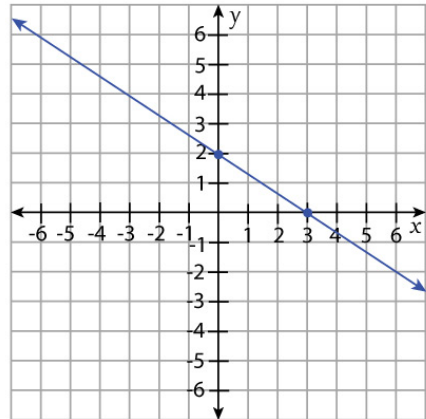
## Answers

1  $3x - y = 9$



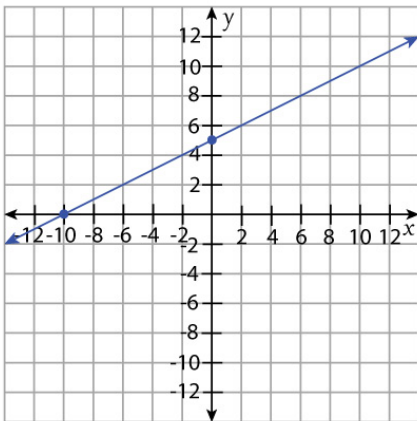
x-intercept: (3, 0), y-intercept: (0, -9)

2  $2x + 3y = 6$



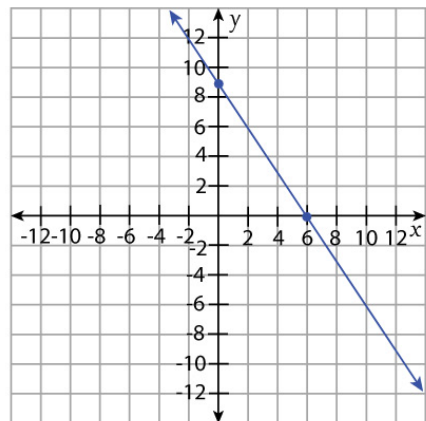
x-intercept: (3, 0), y-intercept: (0, 2)

3  $x - 2y = -10$



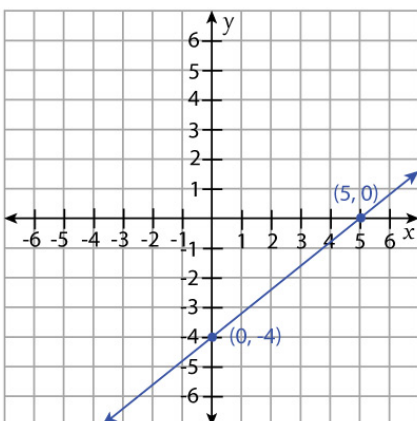
x-intercept: (-10, 0), y-intercept: (0, 5)

4  $7x + 5y = 42$



x-intercept: (6, 0), y-intercept: (0, 42/5)

5 x-intercept = 5, y-intercept = -4



6 x-intercept = -2, y-intercept = -3

