Math 1: Algebra, Geometry and Statistics
Ms. Sheppard-Brick 617.596.4133
http://lps.lexingtonma.org/Page/2434

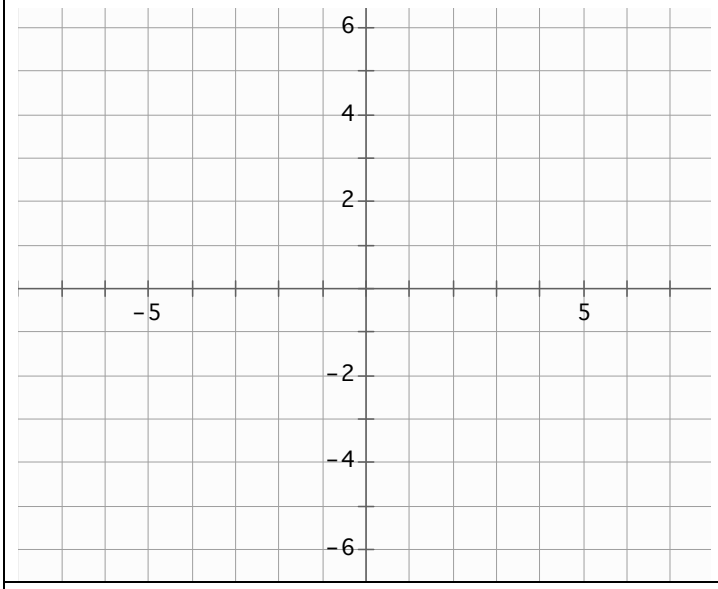
Name:
Date:

Exit Ticket 35 – Intercept Form of a Line

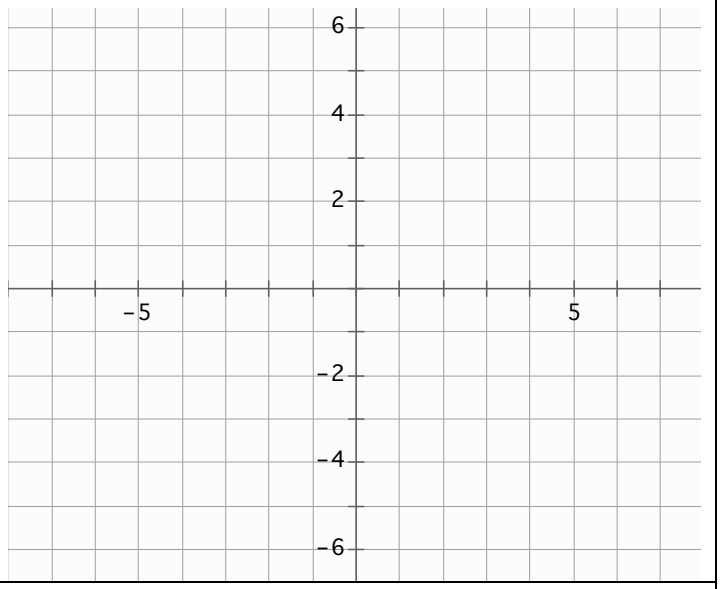
CORE

A. Graph each of the lines.

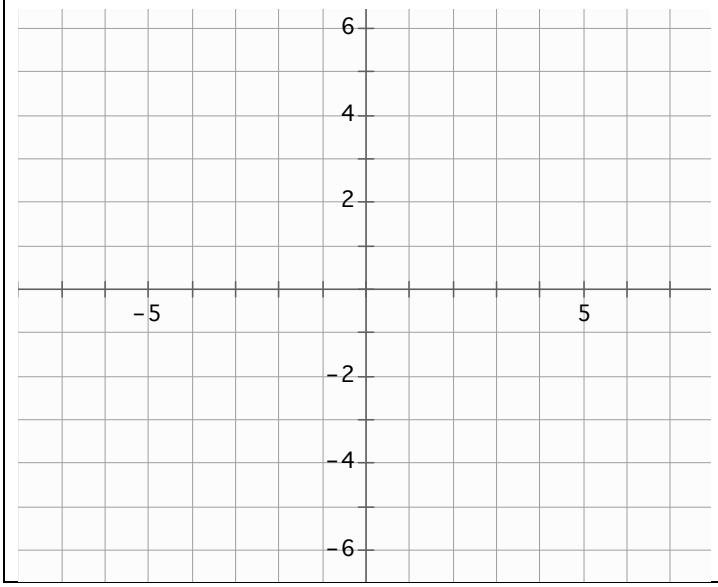
a. $-5x + 2y = -10$



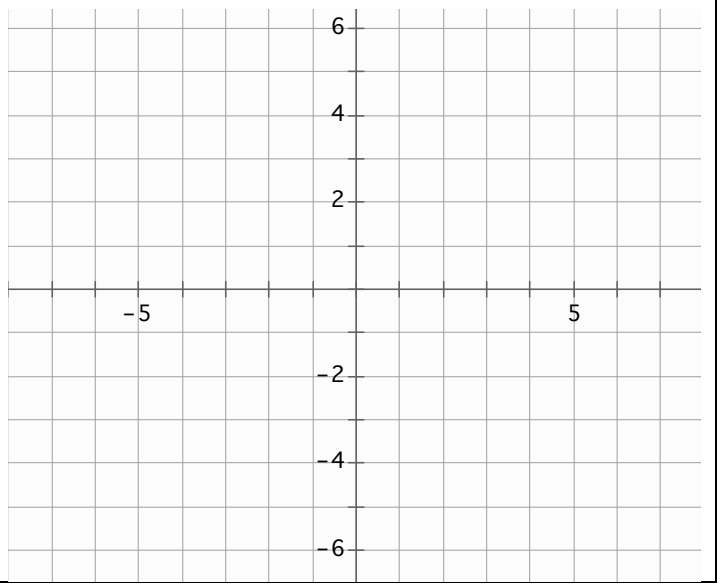
b. $2x - 3y = -6$



c. $x + 5y = 5$



d. $-6x - 3y = 18$



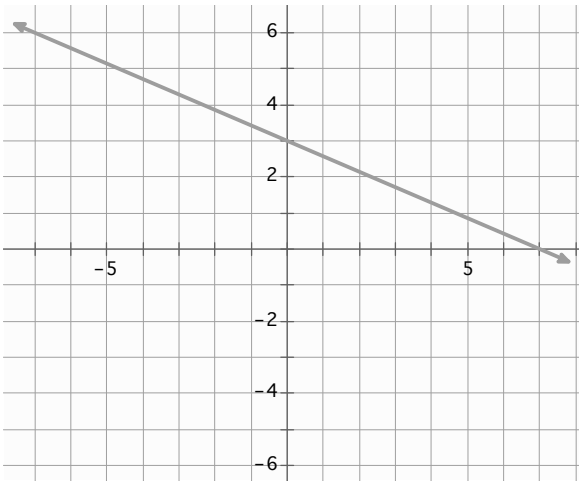
Name:
Date:

B. Write an equation in intercept form for each of the graphs.

Intercept form of a line (from notes): $\_\_\_\_\_x + \_\_\_\_\_y = \_\_\_\_\_$

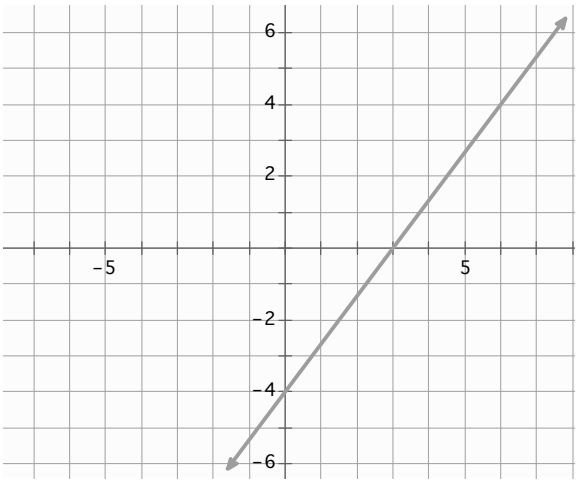
a = x-intercept *and* *b = y-intercept*

1. a = b =



Equation:

2. a = b =



Equation:

EXTENSION

C. Use algebra to transform each of the equations into intercept form. Show your work. You may wish to check your work by graphing the lines.

1. $y = \frac{1}{2}x + 4$

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