SYSTEMS OF INEQUALITIES – Day 2
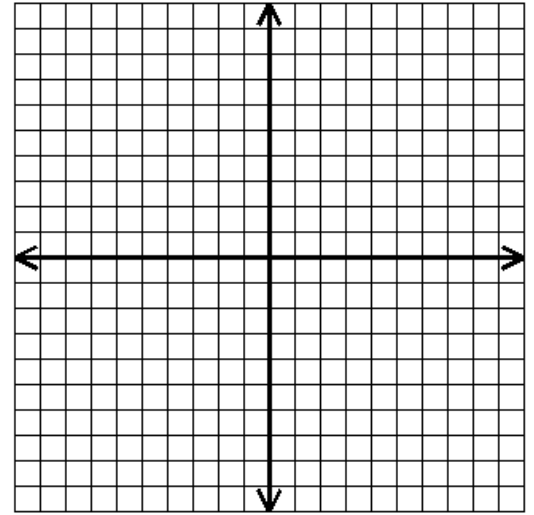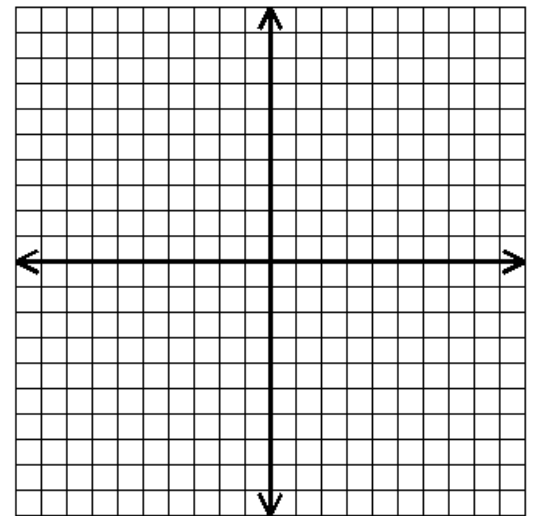
Graph the following systems of linear inequalities.
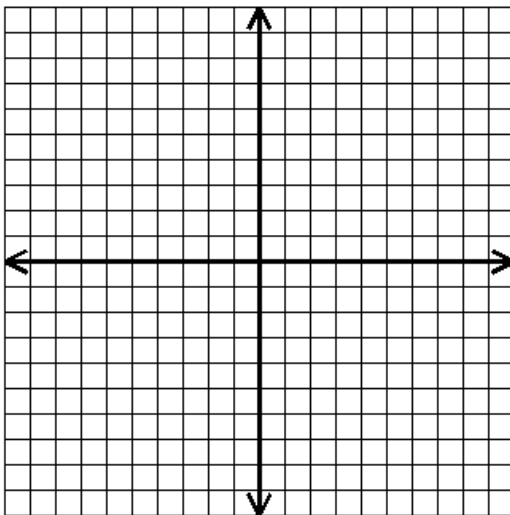
1) $y > -5x + 8$
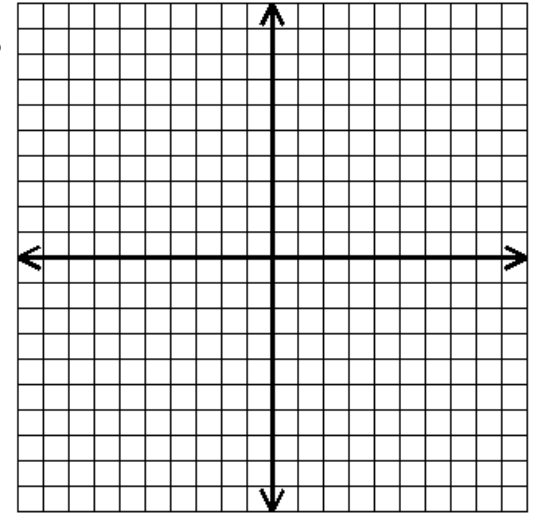 $2x - y \leq 3$

2) $x + y > 3$
   $4x + y < 4$
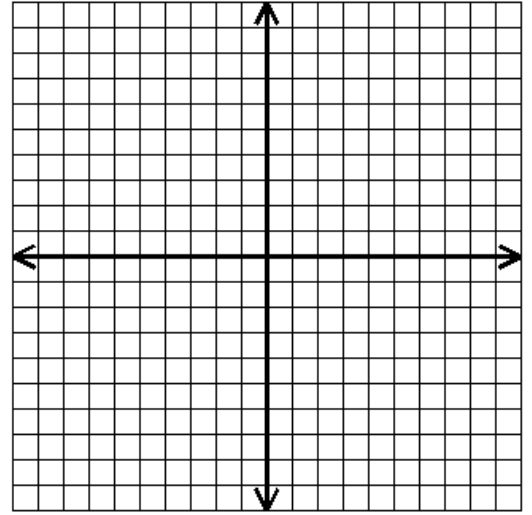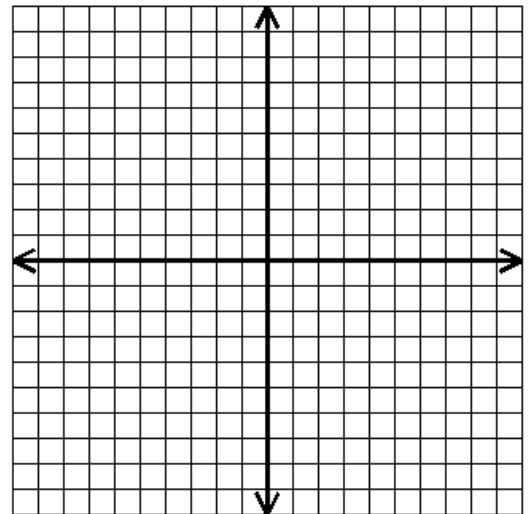
3) $x < 3$
   $x > -2$

4) $y \leq 4$
   $y > 1$
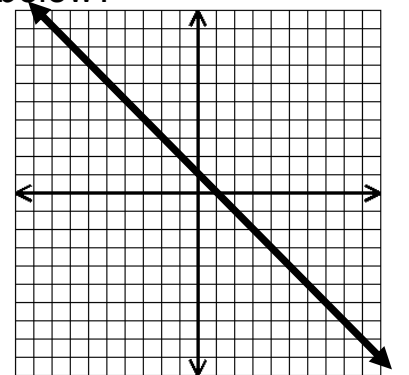 $x \geq -3$

5) $x - 4 \leq -2$
   $x + y \geq 0$

6) $y \geq -x - 1$
   $x - y \geq -2$

Review.

7) What is the parent function of the graph shown on the grid below?

   A. $y = x$

   B. $y = x^2$

   C. $y = -x$

   D. $y = -x^2$

8) Where does the function $4x + 3y = 24$ cross the y-axis?