

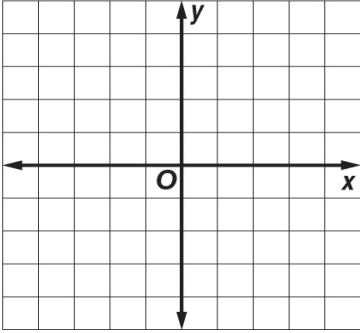
# 3-2 Practice HW

## Solving Systems of Inequalities by Graphing

Solve each system of inequalities by graphing.

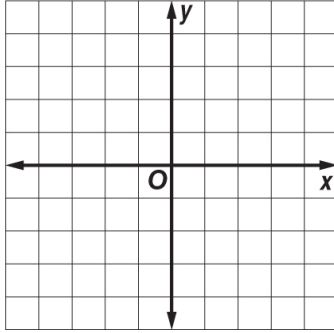
1.  $y + 1 < -x$

$y \geq 1$



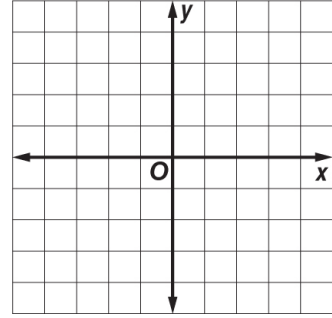
2.  $x > -2$

$2y \geq 3x + 6$



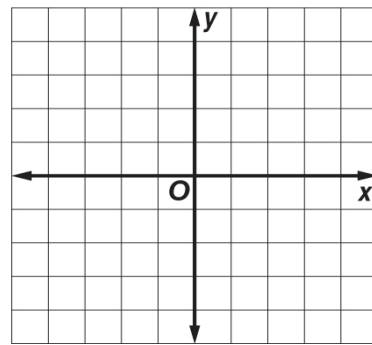
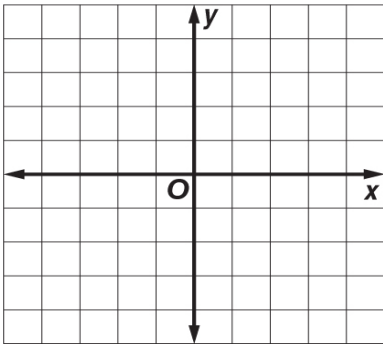
3.  $y \leq 2x - 3$

$y \leq -\frac{1}{2}x + 2$



4.  $x + y > -2$  and  $3x - y \geq -2$

5.  $3y > 4x$  and  $2x - 3y > -6$



Find the coordinates of the vertices of the triangle formed by each system of inequalities.

7.  $y \geq 1 - x$

$y \leq x - 1$

$x \leq 3$

