Kuta Software - Infinite Algebra 2

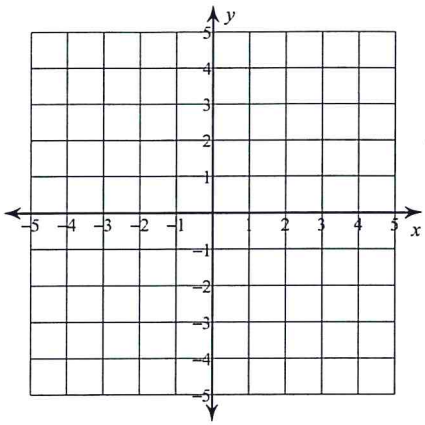
Name_____

Solving Systems of Inequalities 1

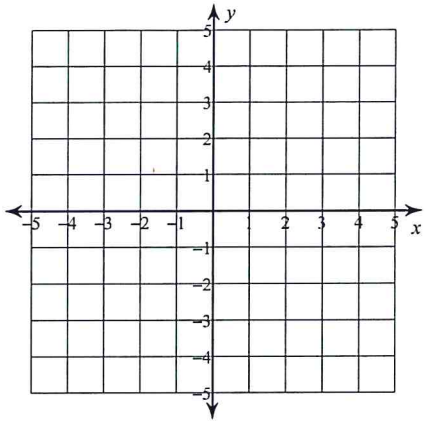
Date_____ Period____

Sketch the solution to each system of inequalities.

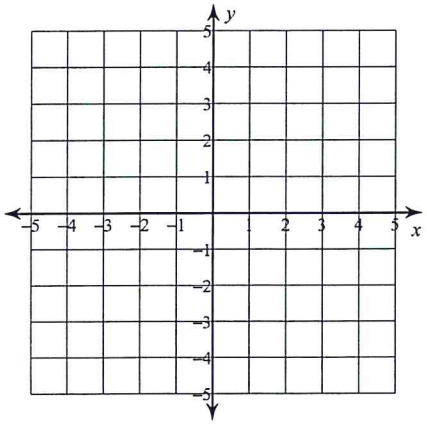
1) $y \le -x - 2$
$y \ge -5x + 2$



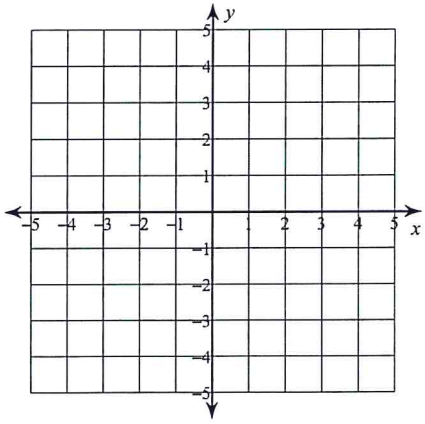
2) $y > -x - 2$
$y < -5x + 2$



3) $y \le \frac{1}{2}x + 2$
$y < -2x - 3$

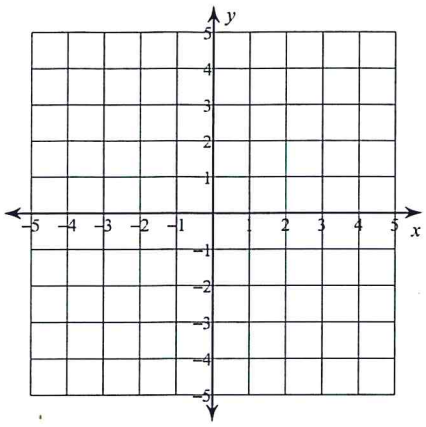


4) $x \le -3$
$y < \frac{5}{3}x + 2$



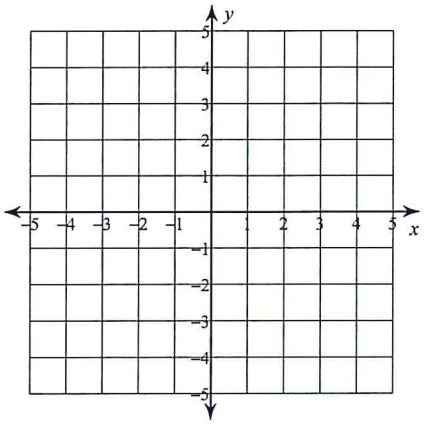
5) $y \le -\frac{5}{2}x - 2$

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



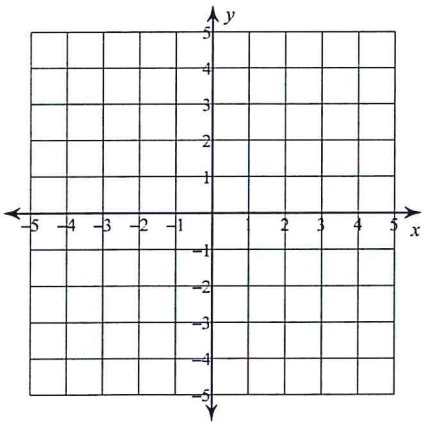
6) $y \ge \frac{2}{3}x + 3$

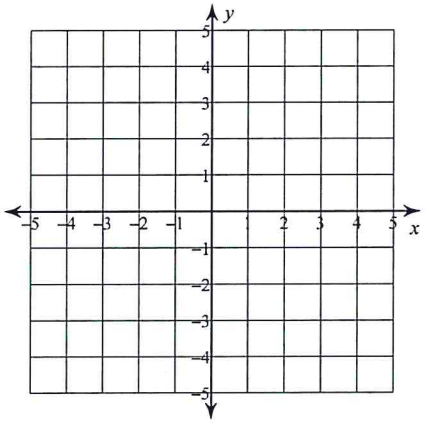
$y > -\frac{4}{3}x - 3$



7) $4x + y < 2$

$y > -2$



8) $3x + 2y \ge -2$

$x + 2y \le 2$