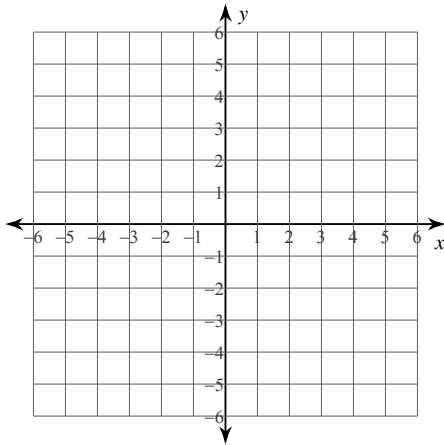


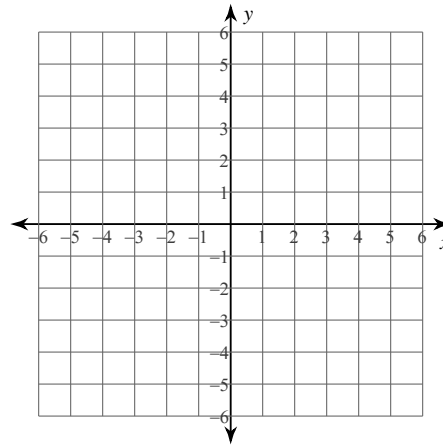
Graphing Linear Inequalities

Sketch the graph of each linear inequality.

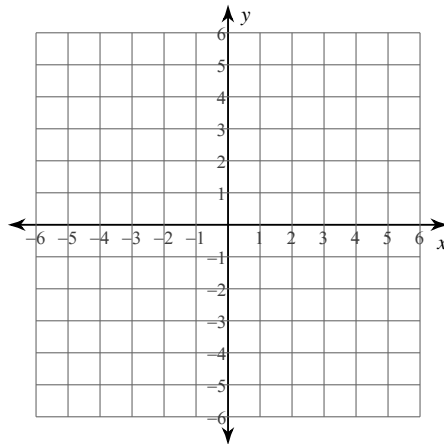
1) $y \geq -2x + 5$



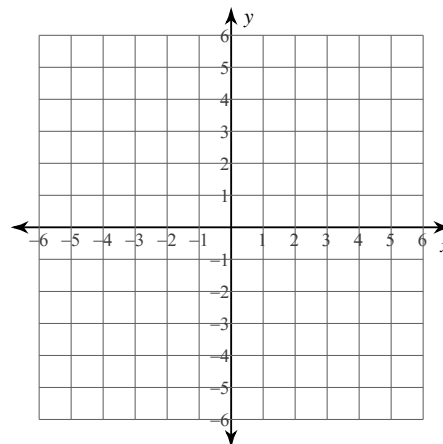
2) $y > -x + 1$



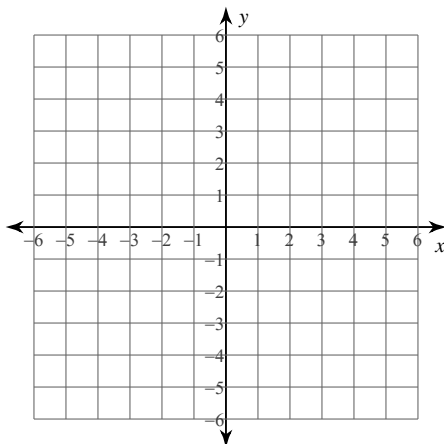
3) $y < 0$



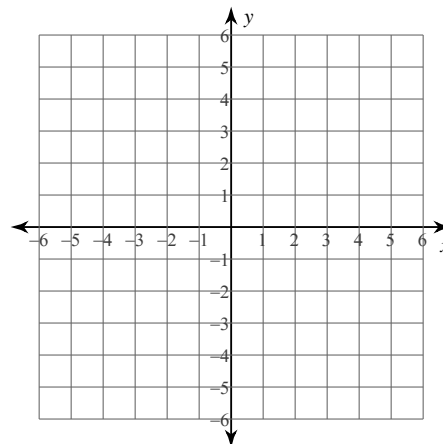
4) $y > \frac{2}{3}x - 2$



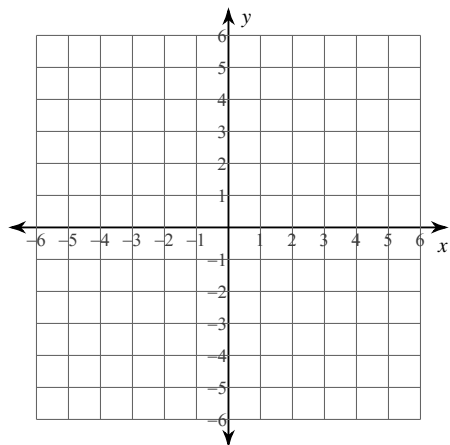
5) $x > 4$



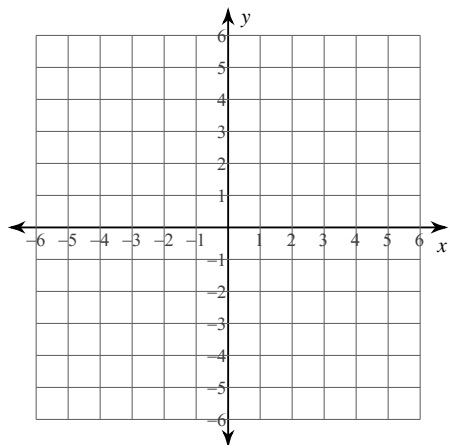
6) $y > x - 3$



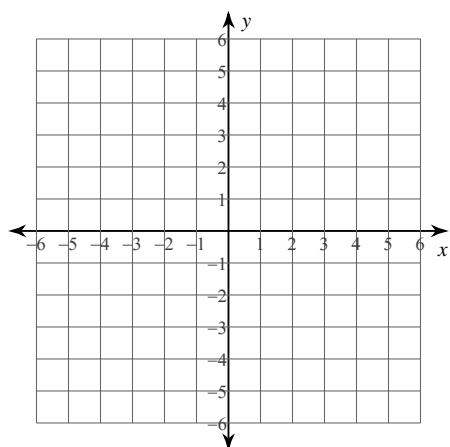
7) $8x - y < -4$



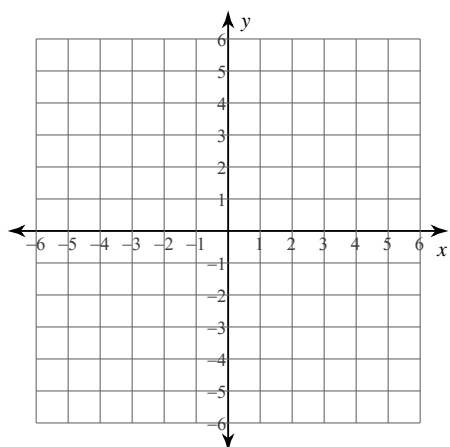
8) $2x - y \geq 3$



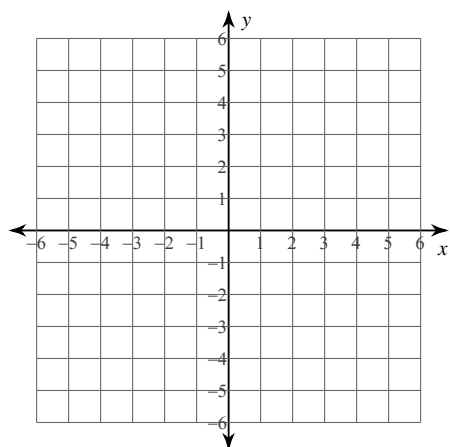
9) $10x - 3y \leq -15$



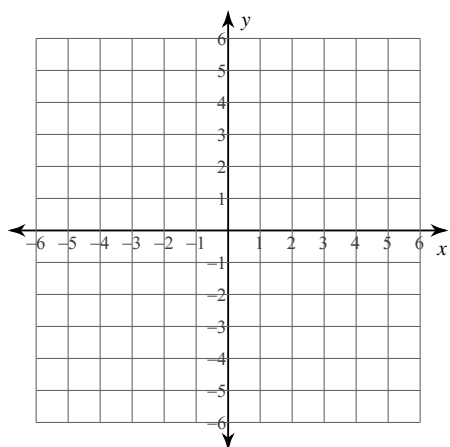
10) $9x + 2y < 10$



11) $x \leq -5$



12) $x - y < 2$



Critical thinking questions:

13) Name one particular solution to #11

14) Can you write a linear inequality whose solution contains only points with positive x -values and positive y -values? Why or why not?