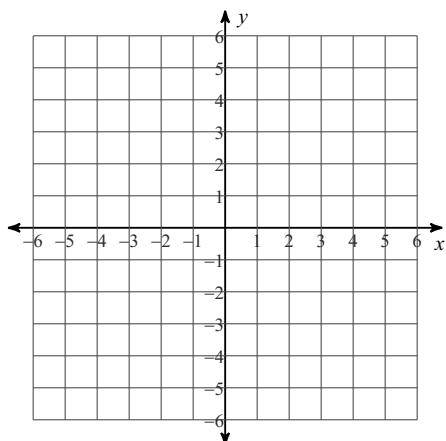


SM2-A HW 6-6 (Linear Inequalities)

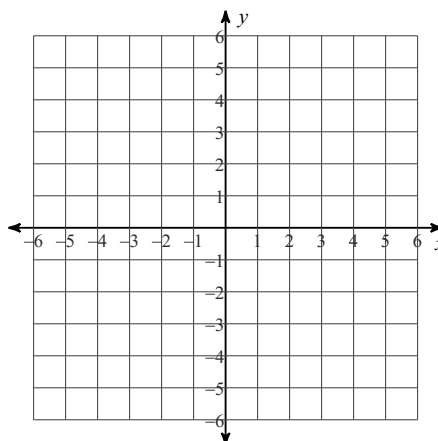
Date _____ Period _____

Sketch the graph of each linear inequality.

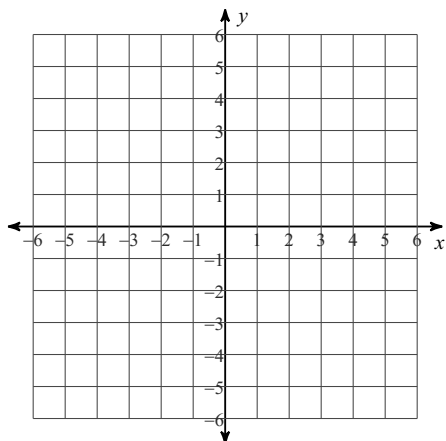
1) $y \geq -2x + 3$



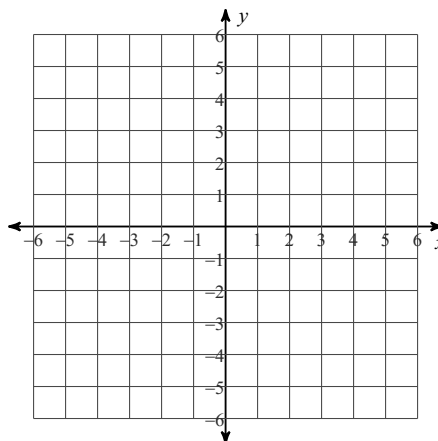
2) $y \leq -2x - 3$



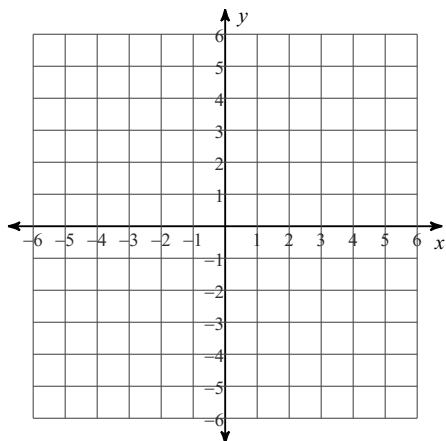
3) $y \geq -3x + 3$



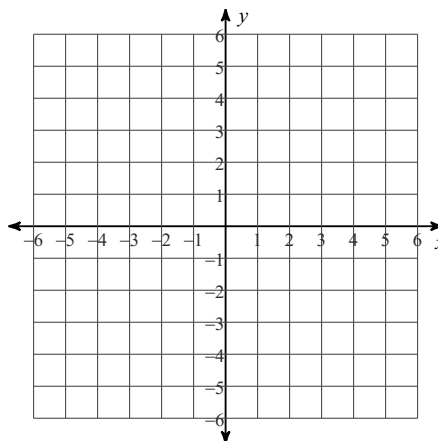
4) $y > x - 3$



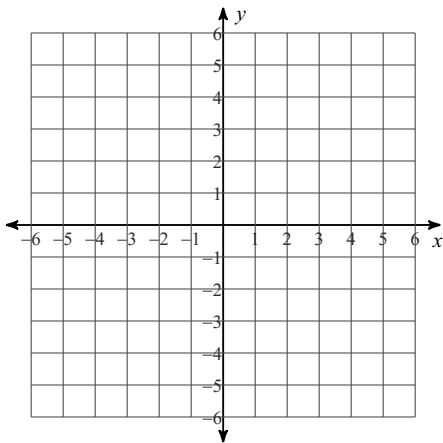
5) $y \geq 0$



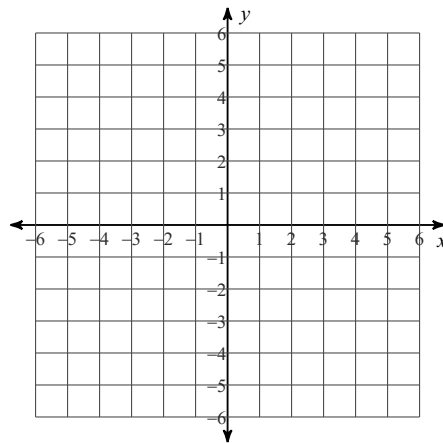
6) $y \leq 5x + 3$



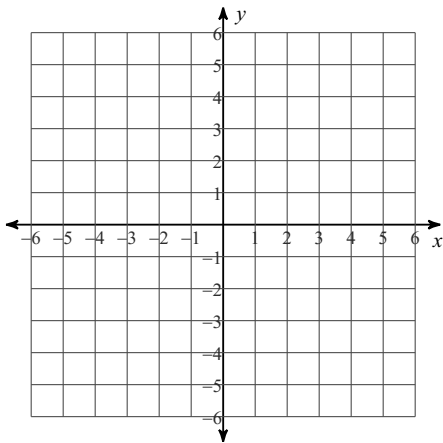
7) $2x + 3y < -6$



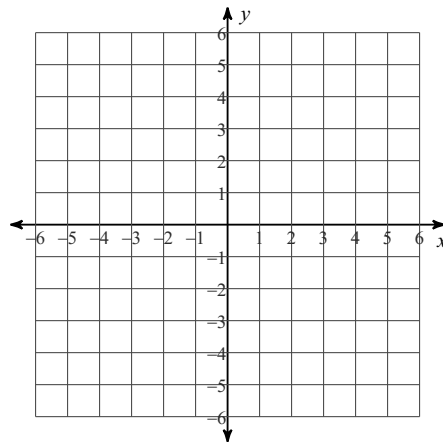
8) $x + 5y > -15$



9) $x < -3$



10) $x + 5y \geq 5$



Solve each equation by taking square roots.

11) $n^2 - 5 = -10$

12) $2n^2 = -32$

13) $n^2 + 4 = 8$

14) $-10a^2 = -600$