

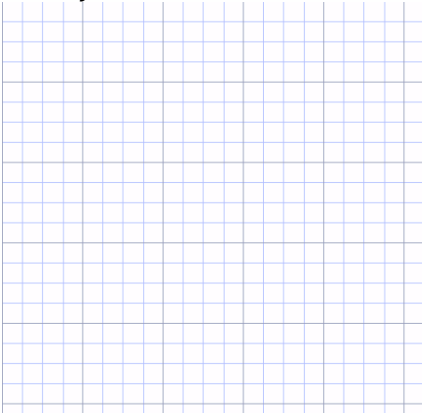
Name: _____

Period: _____ Date: _____

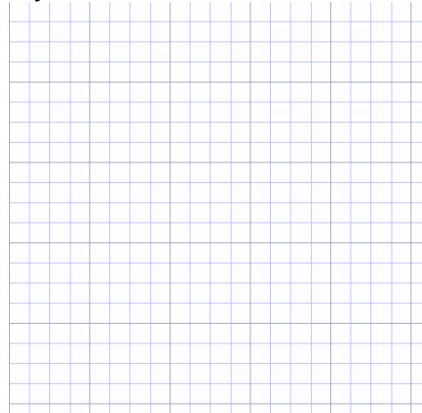
Solving Linear Inequalities by Graphing

Section I. Graph the inequalities on the coordinate plane. Shade the solution region.

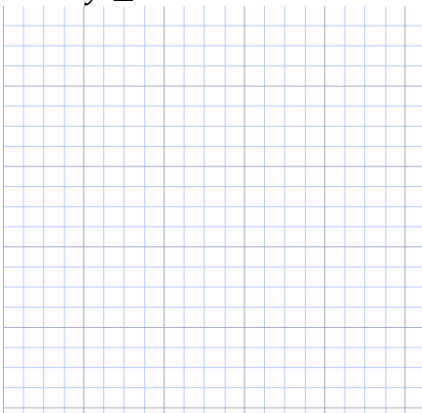
1. $y \geq x + 3$
 $y < 2x - 3$



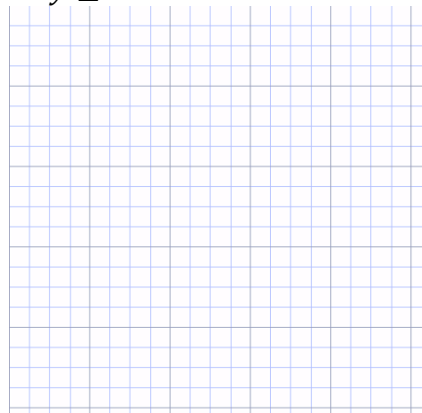
2. $y \leq -\frac{x}{2} + 1$
 $y < -x + 5$



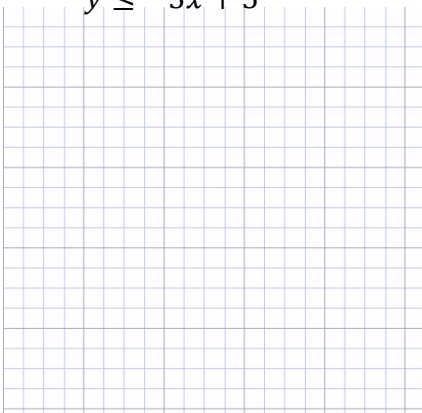
3. $y > \frac{2}{3}x - 4$
 $y \leq 2x + 8$



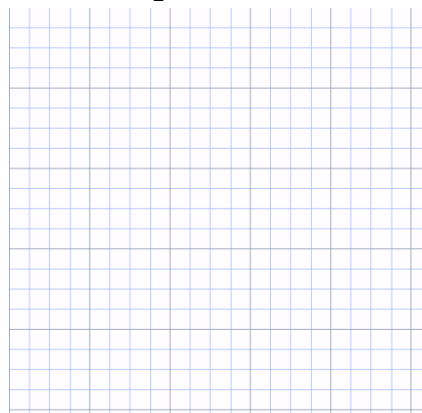
4. $y < -\frac{x}{2} + 3$
 $y \geq 3x - 4$



5. $y > \frac{3}{2}x - 4$
 $y \leq -3x + 5$



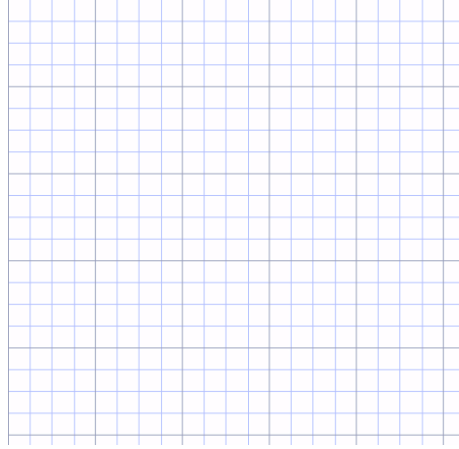
6. $y \geq 5x - 7$
 $y \leq -\frac{3}{2}x + 6$



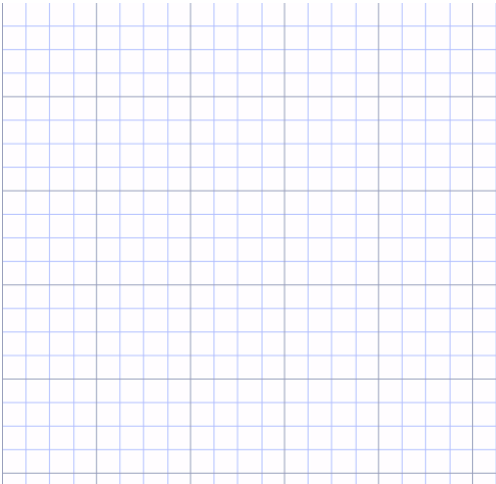
7. $x + 2y \geq -4$
 $3x + 2y \leq 4$



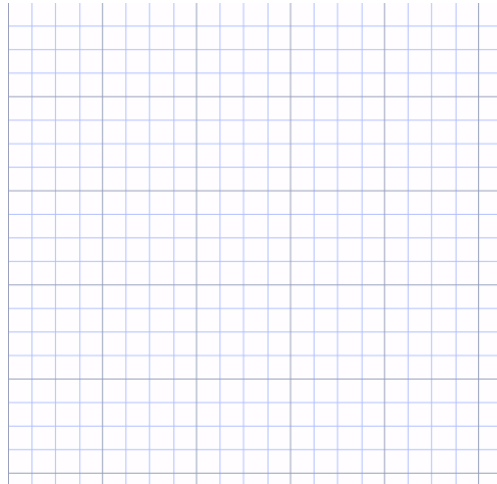
8. $5x - y > 2$
 $3x - 6y < 12$



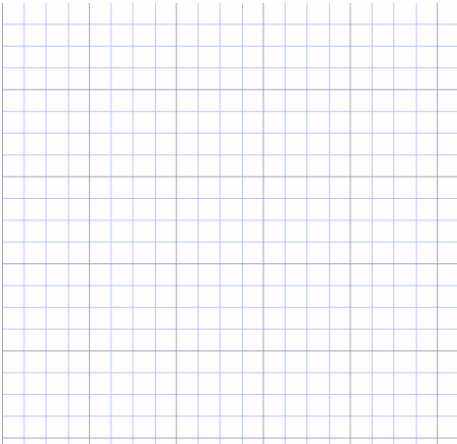
9. $3x + 5y < 6$
 $2x + y \leq 18$



10. $2x + 3y < 6$
 $y \geq \frac{1}{2}x - 5$



11. $\frac{1}{2}x - y > -6$
 $-2x + y \leq 6$



12. $-3x - y > -1$
 $2x + 4y \geq -16$

