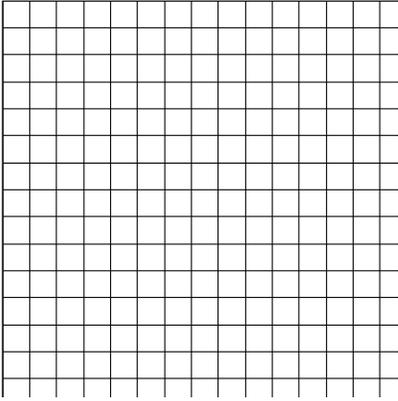


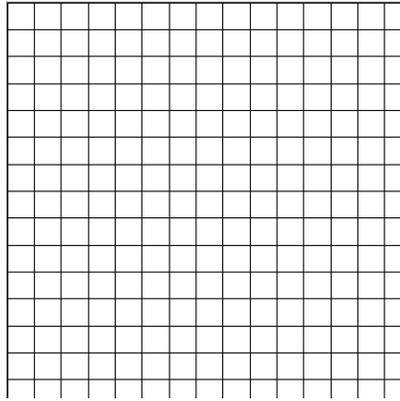


Graph the following inequalities or systems of inequalities, shading solutions appropriately (five points each).

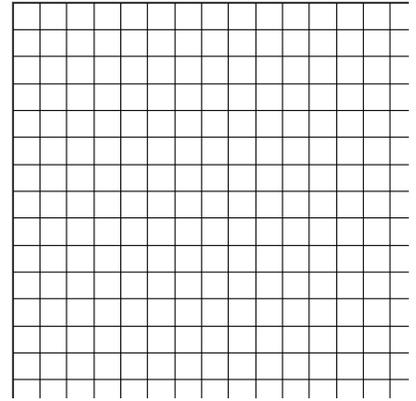
4)  $y \leq -2x + 3$



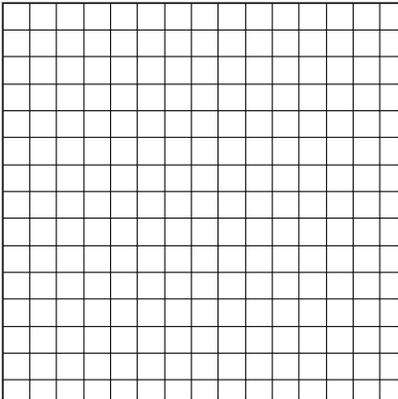
5)  $x < 4$



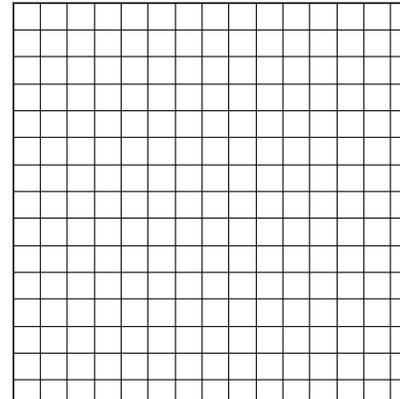
6)  $x \geq -y$



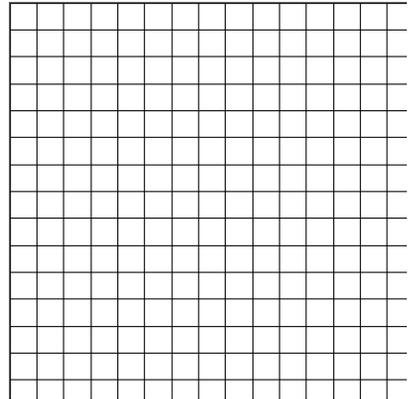
7)  $3x - 4y > 12$



8)  $x > -2$  and  $y \leq 3$

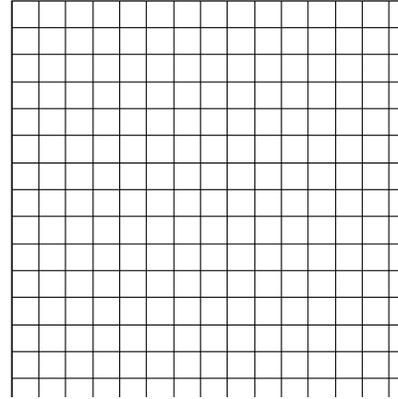
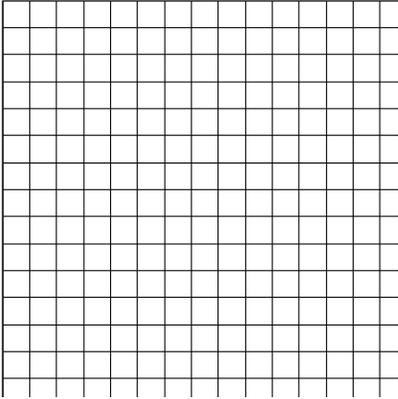


9)  $y > \frac{1}{3}x + 4$   
 $y < \frac{1}{3}x - 1$



10)  $y \leq -2x + 4$   
 $\frac{1}{2}x > y - 1$

11)  $6 - 2x > 3y$   
 $\frac{1}{3}y + \frac{1}{2}x \geq 1$



- 12) Steve can work up to 12 hours on Friday doing his two jobs, painting houses and mowing lawns. He makes \$10 an hour painting and \$8 an hour mowing lawns. He needs to make at least \$80 for the day. Assign variables. Graph both inequalities and show where the solution values for his work situation are. Seven points.

