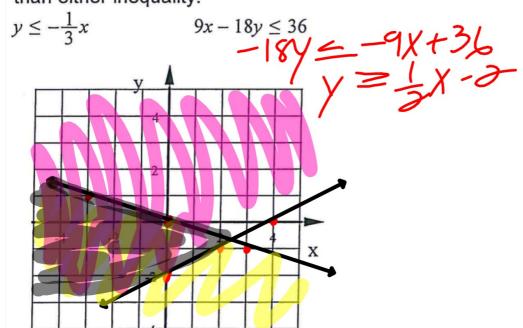
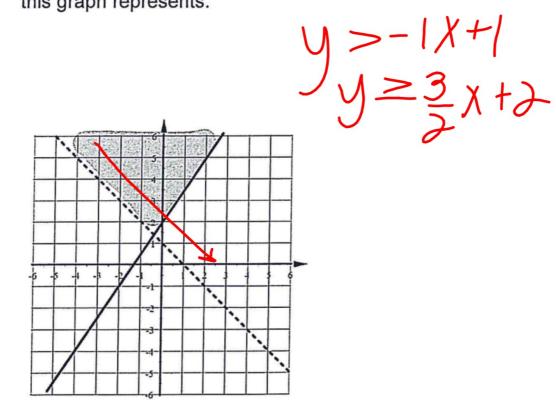


 Graph this system of inequalities.
 Shade the solution region a different color than either inequality.



4. Write the system of inequalities that this graph represents.



- 5. Without graphing tell the number of solutions to each system of equations: ONE, NONE, or MANY.
- a) y = 3x + 7

b)
$$y=4$$

$$12x - 4y = 40$$

b)
$$y = 4$$
 $y = 4x - 9$ $y = 4$

$$-4y = 40$$

$$-4y = -12X + 40$$

c)
$$y = -\frac{1}{2}x + 3$$

 $3x + 6y = 18$

6. Solve this system of equations. State your answer as an ordered pair.

$$6c - 4d = -40$$
 2
 $4c + 9d = 55$ 3

$$-12C - 8d = -80$$

 $-12C + 27d = 165$

$$-d=7$$