

# Review - Chapter 7

Solve the system by graphing:

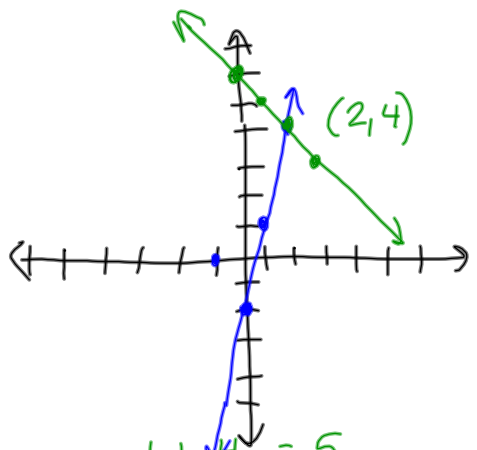
$$\begin{array}{r}
 2 + 4 = 6 \\
 x + y = 6 \\
 -x \quad -y \\
 \hline
 \end{array}
 \begin{array}{r}
 (6|0) \\
 (0|6)
 \end{array}$$

$$\begin{array}{r}
 3 \cdot 2 - 4 \\
 3x - y = 2 \\
 -3x \quad -y \\
 \hline
 \end{array}
 \begin{array}{r}
 (\frac{2}{3}|0) \\
 (0|-2) \\
 m=3
 \end{array}$$

②  $y = -x + 6$

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

①  $y = 3x - 2$



$$\begin{array}{r}
 1 + 4 = 5 \\
 x + 4y = 5 \\
 -x \quad -4y \\
 \hline
 \end{array}
 \begin{array}{r}
 (5|0) \\
 (0|1)
 \end{array}$$

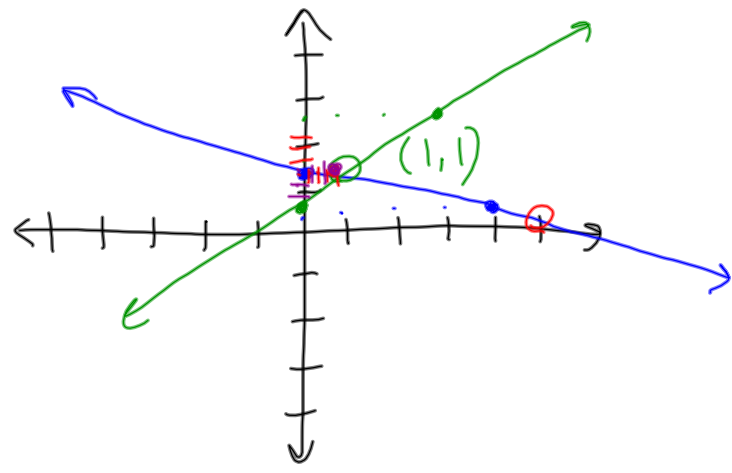
$$\begin{array}{r}
 -2 + 3 = 1 \\
 -2x + 3y = 1 \\
 +2x \quad +3y \\
 \hline
 \end{array}$$

$$\frac{4y}{4} = \frac{-x + 5}{4}$$

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

①  $y = -\frac{1}{4}x + \frac{5}{4}$

②  $y = \frac{2}{3}x + \frac{1}{3}$



Solve by graphing.

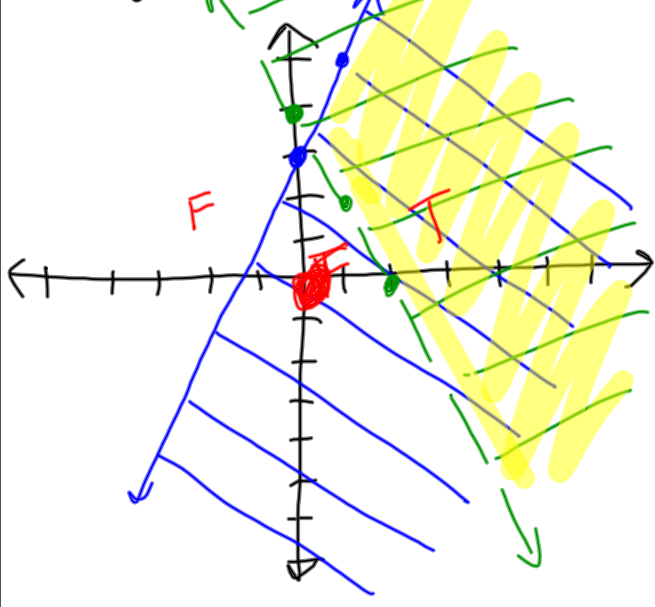
a.  $y \leq 2x + 3$  0 ≤ 3

$6x + 3y > 12$

$\frac{3y}{3} > -\frac{6x}{3} + \frac{12}{3}$

$y > -2x + 4$

0 > 4  
F



b.  $y \leq -\frac{1}{4}x + 2$  0 ≤ 2

$x \geq -1$   
 $0 \geq -1$

