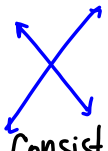


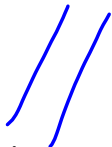
Quiz

① find intersection using Calc
 $y = 3x + 2$
 $y = -\frac{1}{2}x - 5$ $(-2, -4)$

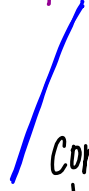
② Identify Cons./incon. & depend./ind.



Consist.
Ind.



incons.



Consist.
depend.

③ 2 Graphs
 ① Equation
 ② Inequalities

$$3x + 2y = 6 \Rightarrow \frac{2y}{2} = \frac{6 - 3x}{2}$$

$$-2x - y \geq 5 \quad \xrightarrow{+2x} \quad y \leq -2x - 5$$

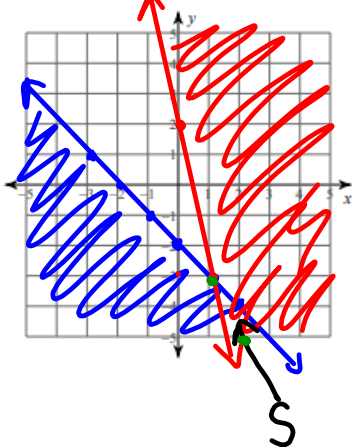
$$y = 3 - \frac{3}{2}x$$

$$-y > 5 + 2x \quad \xrightarrow{-1} \quad y < -5 - 2x$$

$y < -5 - 2x$

More Practice with Systems of Inequalities

1) $y \leq -x - 2$
 $y \geq -5x + 2$



4) $x \leq -3$
 $y < \frac{5}{3}x + 2$

