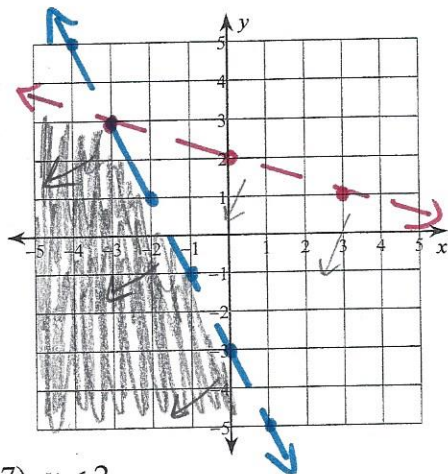
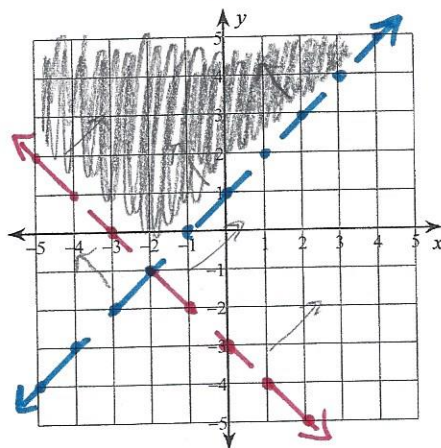


Sketch the solution to each system of inequalities.

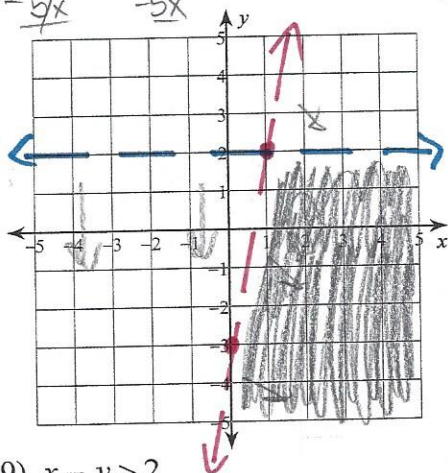
5) $y < -2x - 3$ $m = -2$ $b = -3$
 $y < -\frac{1}{3}x + 2$ $m = -\frac{1}{3}$ $b = 2$



6) $y > x + 1$ $m = 1$ $b = 1$ $0 > 1$
 $y > -x - 3$ $m = -1$ $b = -3$

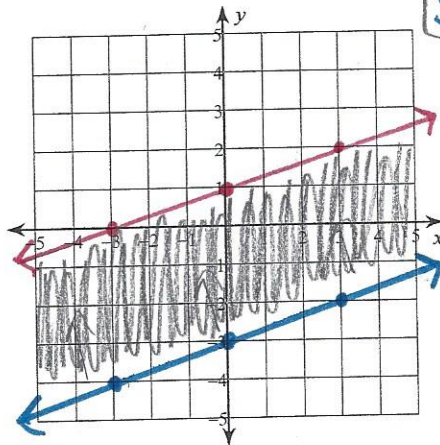


7) $y < 2$
 $5x - y > 3$
 $-5x$ $-5x$



$y > -5x + 3$
 $m = 5$
 $b = -3$
 $0 < -3$

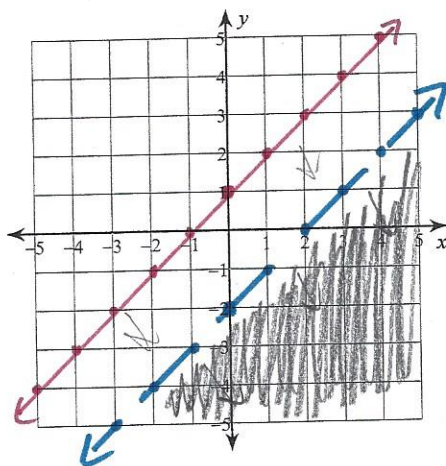
8) $x - 3y \leq 9$
 $x - 3y \geq -3$



$-3y \leq \frac{-x+9}{-3}$
 $y \geq \frac{1}{3}x - 3$
 $m = \frac{1}{3}$
 $b = -3$

$-3y \geq \frac{-x-3}{-3}$
 $y \leq \frac{1}{3}x + 1$
 $m = \frac{1}{3}$
 $b = 1$

9) $x - y > 2$
 $x - y \geq -1$



$y > -x + 2$
 $y < x - 2$
 $m = 1$
 $b = -2$

$y \geq -x - 1$
 $y \leq x + 1$
 $m = 1$
 $b = 1$

$>, <$ → Dashed line

\geq, \leq → Solid line

$>, \geq$ → Above/Right

$<, \leq$ → Below/Left