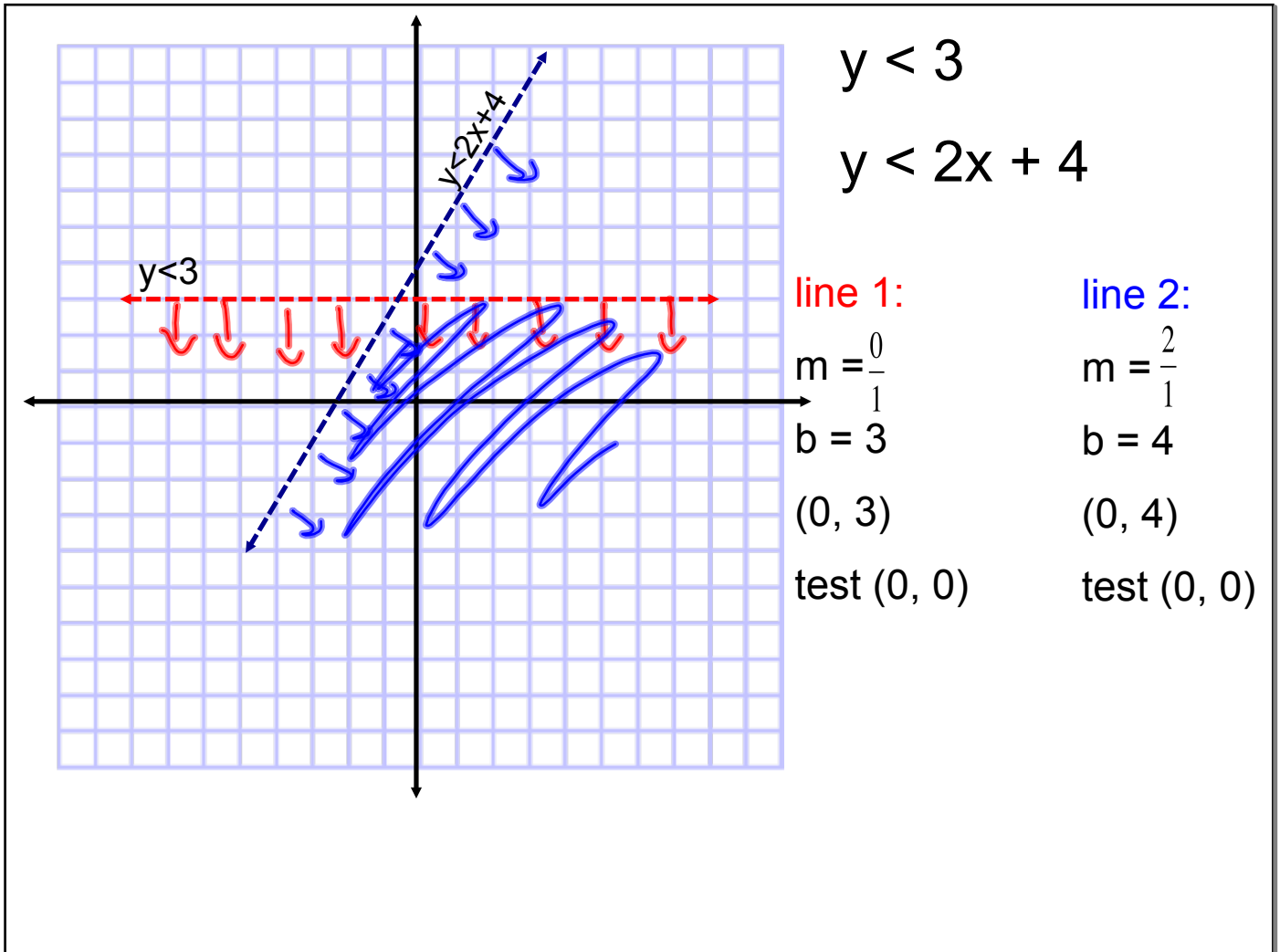
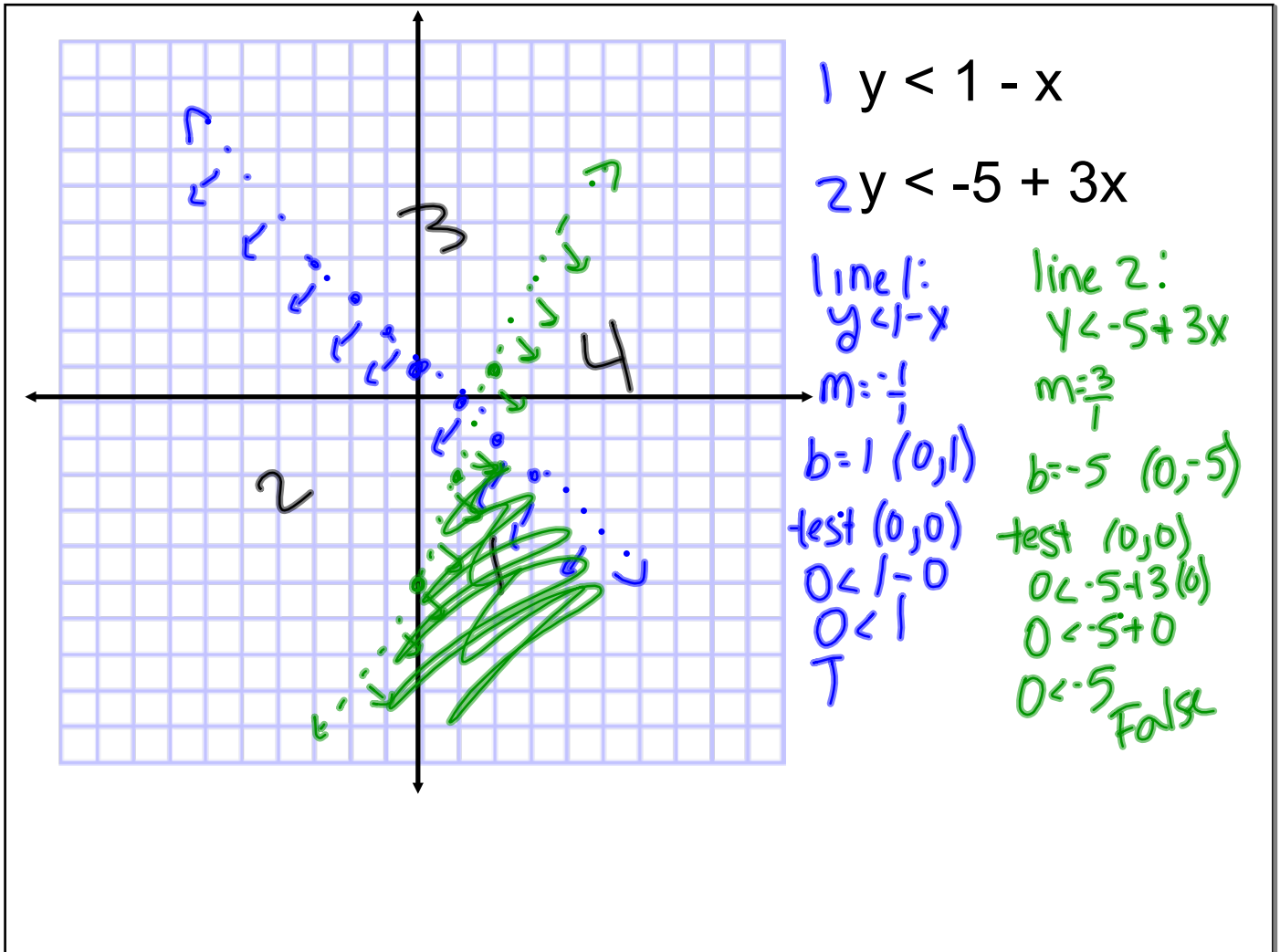


7f - Solve systems of inequalities by graphing.





$$y < x + 3$$

$$2x - y \geq 3$$

line 1: $y < x + 3$
 $m = \frac{1}{1}$
 $b = 3$ (0, 3)
 test (0, 0)
 $0 < 0 + 3$
 $0 < 3$
 True

line 2:
 $2x - y \geq 3$
 $-2x - y \geq 3$
 $-y \geq 3 + 2x$
 $y \leq -3 + 2x$
 $m = \frac{2}{1}$
 $b = -3$ (0, -3)
 test (0, 0)
 $2(0) - 0 \geq 3$
 $0 - 0 \geq 3$
 $0 \geq 3$
 False

