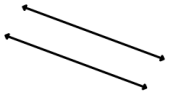
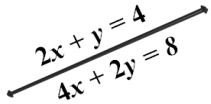
3.1/3.3 Systems of Linear Equations and Inequalities

possible ways two lines could intersect:

1 pt.
1 solution



no pts. (lines parallel)
no solution



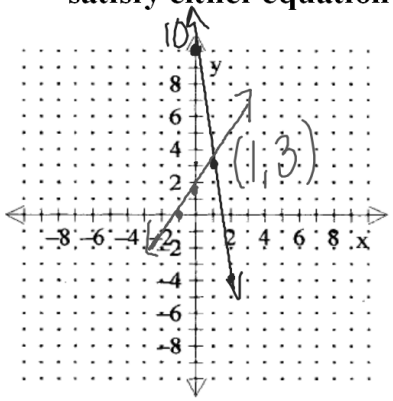
all pts. (lines coincide)
solution is all pts. that satisfy either equation

1 **Solve by graphing:**

$7x + y = 10$
$3x - 2y = -3$

$y = -7x + 10$

x-int $(-1, 0)$
y-int $(0, 1\frac{1}{2})$



2 **Solve by graphing:**

$2x - 3y < -6$
$-1 \leq x \leq 3$

$2x - 3y = -6$
$(-3, 0)\ (0, 2)$