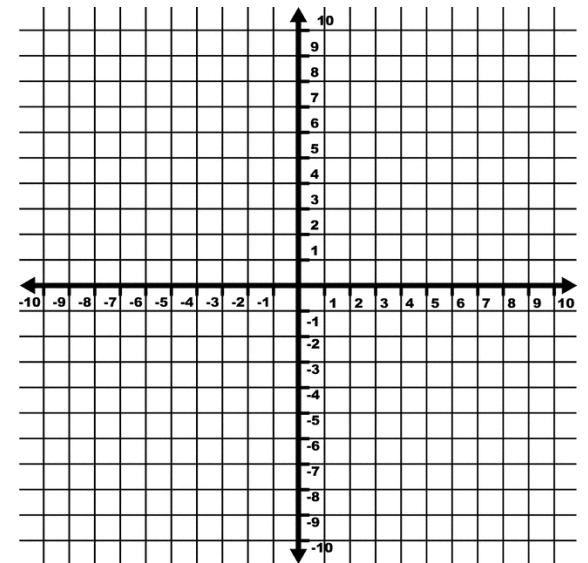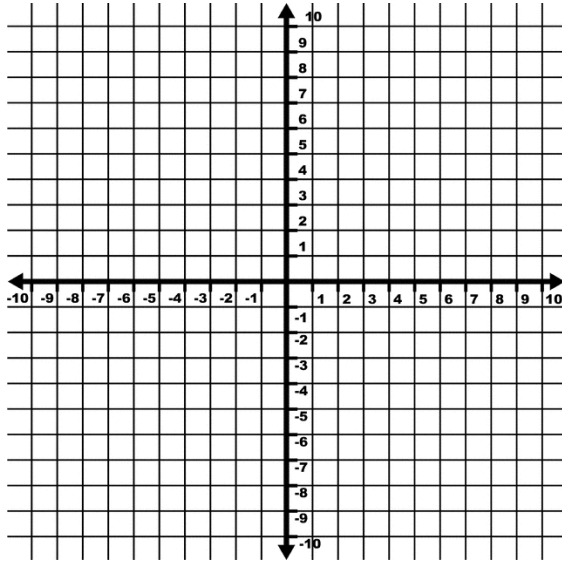# Solving Systems
by Graphing

- Rearrange each equation or inequality so y is by itself.
- Graph each equation or inequality on the same coordinate plane.
- Graph enough points until you find the place where the graphs intersect.
- The point(s) where the graphs overlap is/are the solution(s)
- Circle or Highlight the solution(s).
- If there is only one solution, write it as an ordered pair.
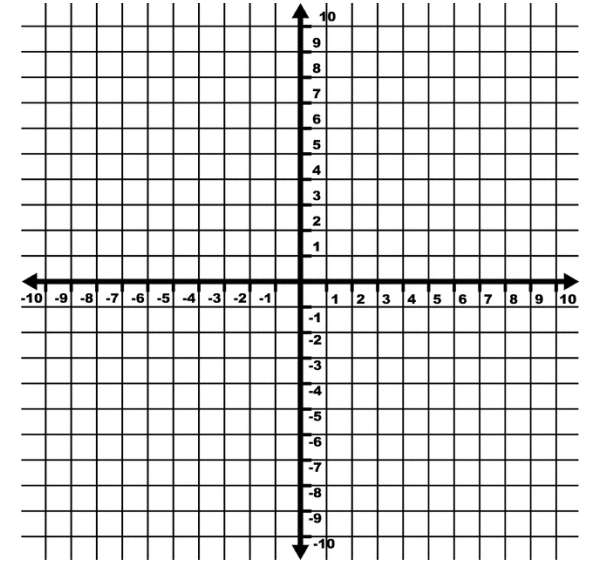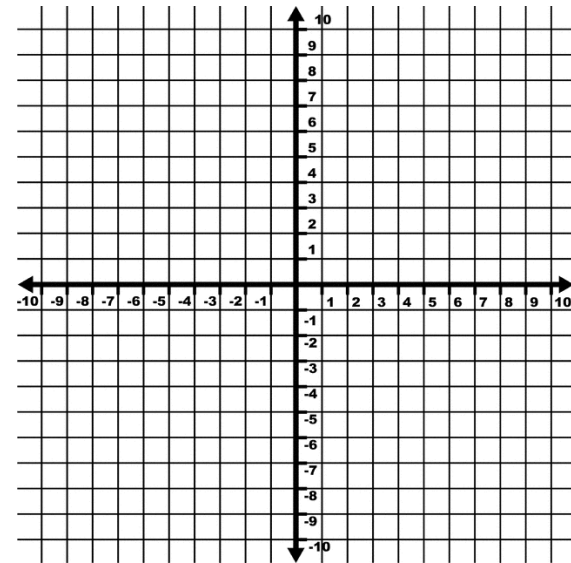
$y - 4x = 2$

$3y = 6x - 18$

$y - 1 \leq 2x$

$2x - 5y > 10$

$x - y > 3$

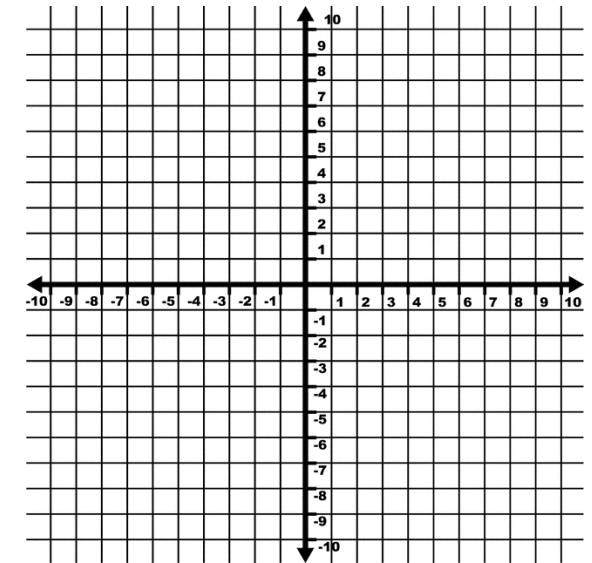$x + 2y < 6$

$y = 3|x - 1| + 1$

$y = -|x + 3| + 5$

$-4x + y = -4$

$2x + y = 8$