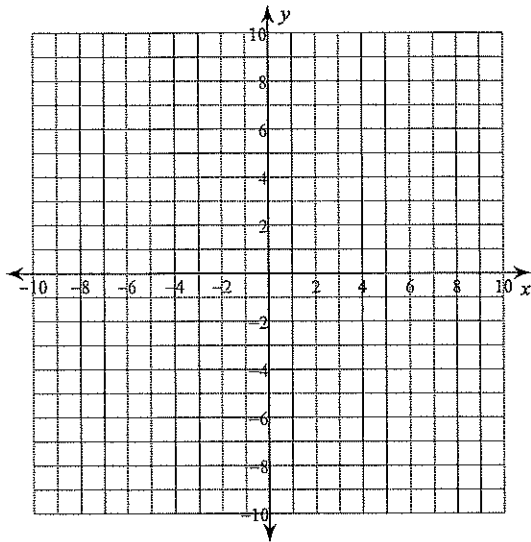


Systems Unit Review

Solve each system by graphing.

1) $y = -\frac{1}{4}x + 5$

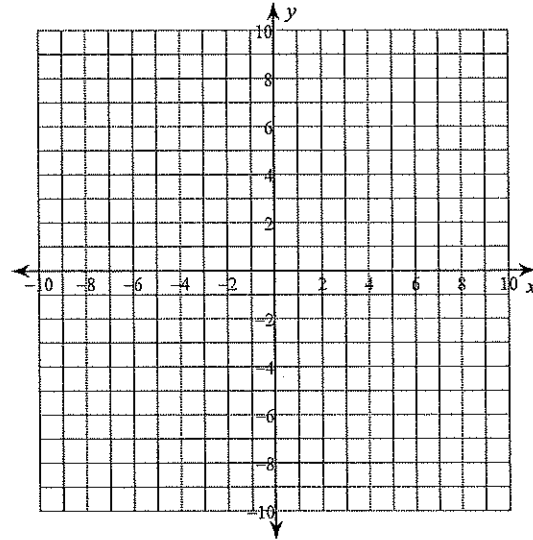
$y = \frac{5}{8}x - 2$



Sketch the solution to each system of inequalities.

2) $2x + 3y \geq 24$

$x - y > -3$



Solve each system

3) $3x - 5y = 21$

$5x - 3y = 3$

4) $8x + y = -2$

$3x + 7y = -14$

5) $-12x + 6y = -16$

$-8x + 4y = -16$

6) $x = 3y - 3z + 8$
 $z = 4x + 5y - 14$
 $3y + 2z = 14$

7) Billy's Restaurant ordered 200 flowers for Mother's Day. They ordered carnations at \$1.50 each, roses at \$5.75 each, and daisies at \$2.60 each. They ordered mostly carnations, and 20 fewer roses than daisies. The total order came to \$589.50. How many of each type of flower was ordered?