

Name:

Per:

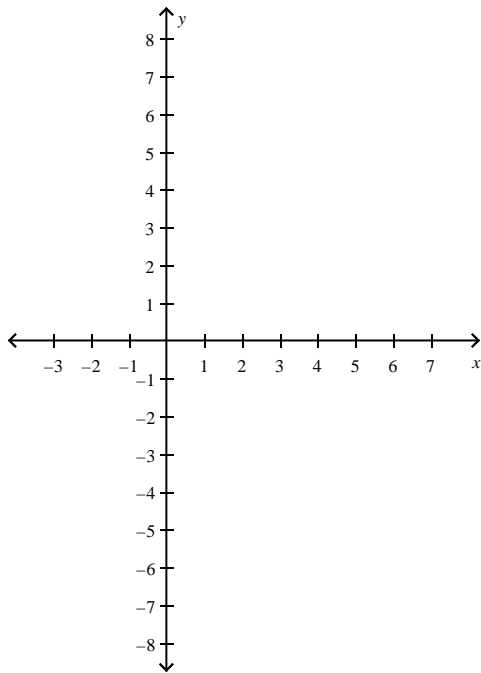
Show your work.

Table:

1) Find the solution for the system by graphing:

$$3y = -2x + 21$$

$$2y - 3x = -12$$



2) Solve by using by graphing on a calculator:

$$3x + 4y = 0$$

$$7x - 2y = 34$$

3) Solve by using substitution.

$$3x + 2y = -5$$

$$4x + y = -10$$

4) Solve by elimination:

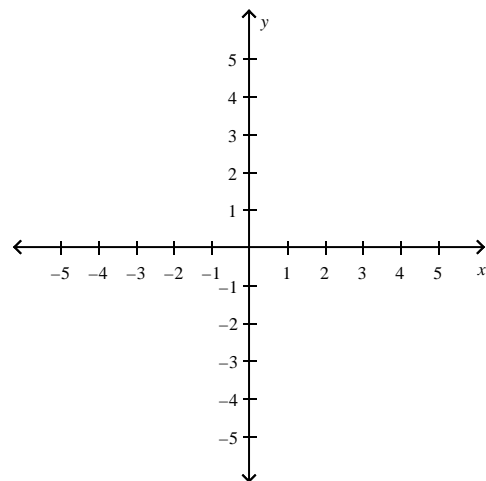
$$3x - 4y = 15$$

$$2x + 5y = -13$$

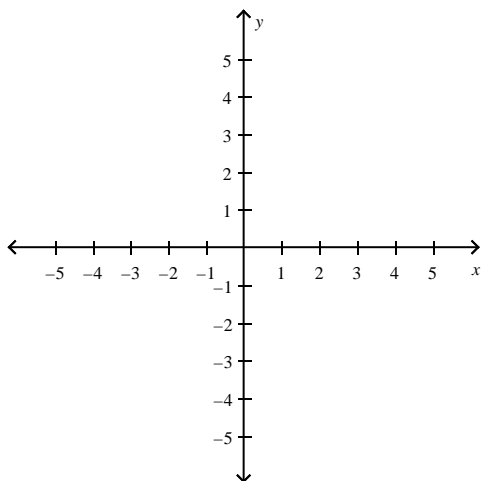
6) Show the solution to the following system:

$$3x - 4y \geq 12$$

$$y < \frac{-3}{2}x + 2$$



5) Graph the following inequality:  $-9x + 3y \leq 6$



7) Piner sold 47 tickets to their play. Adult tickets cost \$5 and student tickets cost \$3. They sold \$211 worth of tickets. How many student and adult tickets were sold?