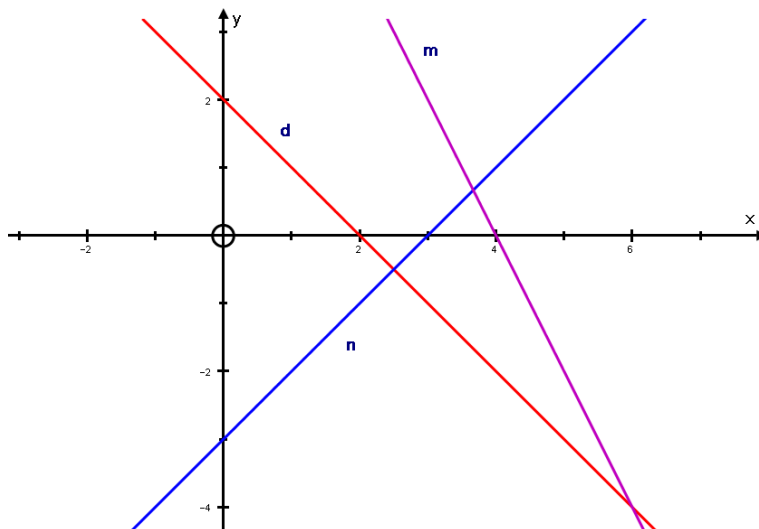


Name: _____

Solving Linear Systems by Graphing

Exercise 1: Determine the solution of the system of equations represented by each pair of lines.

- 1) d and m
- 2) m and n
- 3) n and d



Exercise 2: Solve each system of equations by graphing.

- 1) $y + x = 2$
 $y + 2x = 4$

- 2) $y + 3x - 3 = 0$
 $y - x - 1 = 0$

- 3) $x + y = 6$
 $x = 3$

- 4) $y = -x - 4$
 $y = 1$

- 5) $y = 3x - 9$
 $y = 2x - 5$

- 6) $y = \frac{1}{2}x + 3$
 $y = -2x - 6$

- 7) $y = 4x - 7$
 $y = 2x - 3$

- 8) $2x + 3y = 7$
 $y + 2x = 1$

Exercise 3: Find the solution of the system $y = x - 4$ and $3x + 2y = 18$.

Exercise 4: What is the solution of the system $2x - 10y = 0$ and $x + y = 4$?

Exercise 5: The graphs of the equations $y = x + 2$, $3x + y = 6$, and $y = 5x + 6$ contain the sides of a triangle.

- a) Graph the equations.

Find the coordinates of the vertices of the triangle.