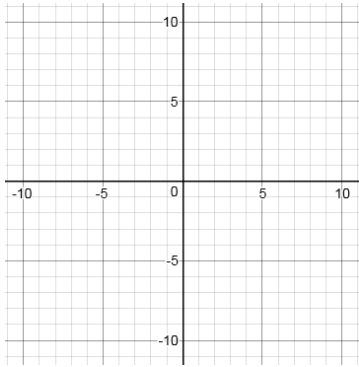


1. Sketch the graph of $2x + y = 4$



2. Solve for x

$$\frac{3}{4}x + \frac{1}{2}x + \frac{1}{2} = 21$$

3. Solve for x

$$\frac{3}{2}(x+5) - \frac{1}{4}(x+24) = 0$$

4. Solve for x

$$4(x+9)^2 + 12 = 92$$

5. Solve for m

$$3mn + 4n = 6n^2 + n$$

6. Write the equation of the circle in standard form given endpoints of the diameter are $(1, -10)$ and $(9, -2)$.

7. Write the equation of the line that is parallel to $y = \frac{3}{2}x - 13$ and passes through $(4, 3)$.

8. Write the equation of the line that is perpendicular to $y = -2x + 5$ and passes through $(-7, 2)$.