

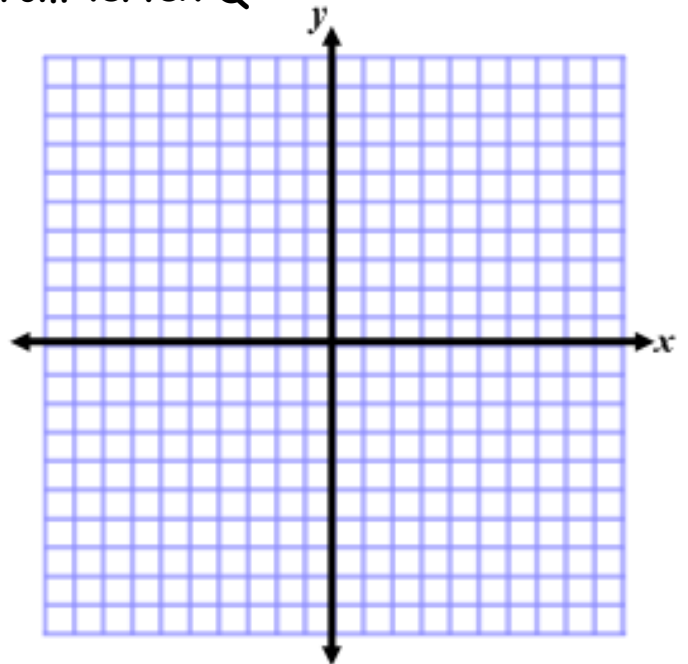
1. Determine an equation of the line satisfying the given conditions:

- a) through $(-5, 1)$ and having a slope of $\frac{1}{2}$
- b) through $(-6, 2)$ and $(5, -3)$
- c) through $(1, 6)$ and parallel to $3x + y = 4$
- d) containing $(-5, 0)$ and perpendicular to $-2x - y + 3 = 0$
- e) having an x -intercept of 4 and a y -intercept of -3 .
- f) having a slope of 2 and an x -intercept of 5
- g) having a y -intercept of 2 and a slope of $\frac{1}{2}$

2. Given that $\triangle PQR$ has the coordinates: $P(-2, -5)$; $Q(-1, 6)$; $R(5, -6)$, determine...

- a) the equation of the right bisector for PQ
- b) the equation of the altitude drawn from vertex R
- c) the equation of the median drawn from vertex Q

3. Solve by graphing:

$$\begin{aligned} x + y &= 4 \\ x - 2y &= 10 \end{aligned}$$


4. Solve by substitution:

$$\begin{aligned} 3x + 7 &= 2 \\ 2x + 5y &= 23 \end{aligned}$$

5. Solve by elimination:

$$\begin{aligned} 2x + 5y &= 19 \\ 3x - y &= 3 \end{aligned}$$