

Q3: Write the equation in slope-intercept form of the line that is **parallel** to the graph of each equation and passes through the given point.

1. $y = 3x + 6$; (4, 7)

2. $y = x - 4$; (-2, 3)

3. $y = \frac{1}{2}x + 5$; (4, -5)

4. $y + 2x = 4$; (-1, 2)

Q4: Write the equation in slope-intercept form of the line that is **perpendicular** to the graph of each equation and passes through the given point.

1. $y = -5x + 1$; (2, -1)

2. $y = 2x - 3$; (-5, 3)

3. $y = -4x - 2$; (4, -4)

4. $7y + 4x = 3$; (-4, -7)