

WORKSHEET

$$y = mx + b$$

Unsolved with Answer key



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Q 1. Find the slope and y-intercept of the line given by the equation: $y = -4x + 7$.

Q 2. Write the equation of the line passing through the point (3, 4) with slope -3.

Q 3. Convert the equation $2x - 5y = 10$ to slope-intercept form and determine the slope and y-intercept.

Q 4. Find the equation of a line with slope 3 and y-intercept -4.

Q 5. Determine the slope of the line passing through the points (0, 0) and (2, 8).

Q 6. Find the equation of the line passing through the points (-1, 2) and (3, -4).

Q 7. Convert the equation $6x + y = 5$ to slope-intercept form and find the slope and y-intercept.

Answer Key

$$y = mx + b$$

1. Slope: -4, Y-intercept: 7
2. $y = -3x + 13$
3. Slope: $2/5$
4. $y = 3x - 4$
5. Slope: 4
6. $y = -(3/2)x + 1/2$
7. Slope: -6, Y-intercept: 5

