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Name:

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Algebra Practice Worksheet

Practice

1. What is the y-intercept of the line described by the equation y = 2x + 8?

2. What is the y-intercept of the line described by the equation y = 2x + 12?

3. What is the y-intercept of the line described by the equation y = -3x - 10?

4. What is the y-intercept of the line described by the equation y = 5x + 15?

Solutions

1. (0, 8)

The y-intercept is the constant term b in y = mx + b, so the line crosses the y-axis at (0, 8).

2. (0, 12)

The y-intercept is the constant term b in y = mx + b, so the line crosses the y-axis at (0, 12).

3. (0, -10)

The y-intercept is the constant term b in y = mx + b, so the line crosses the y-axis at (0, -10).

4. (0, 15)

The y-intercept is the constant term b in y = mx + b, so the line crosses the y-axis at (0, 15).

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