Name: _____ Date: _____

Quinn's Stage Math



Work with linear equations in the form y = mx + b. Try the star if you want.

Linear relationships

For y = 2x + 3, name the slope and the y-intercept.

slope m = ☐ **y-intercept b =** ☐

A line has slope 4 and y-intercept −1. Write the equation.

y = ☐

Picture puzzle

The table shows tickets sold after x hours. Write the equation for the linear relationship.

x (hours)	0	1	2
y (tickets)	5	8	11

y = ☐

Proportional or not?

A proportional relationship goes through the origin and can be written y = mx.

Is y = 3x proportional? ☐

Is y = 3x + 2 proportional? ☐

Review

Find the slope of the line through (1, 2) and (3, 8).

slope = ☐

★ Star challenge (if you want)

Solve for x: 2x + 5 = 17 ☐