WRITE THE LINEAR EQUATION - LEVEL 4

Given Two Points on a Line | Companion worksheet

Name: _____ Hour: _____ Date: _____

Copy the points from the app. Find slope, use point-slope form, distribute, then isolate y.
Work downward. Check that your final equation works for both points.

$$m = \frac{y_2 - y_1}{x_2 - x_1} \qquad y - y_1 = m(x - x_1) \qquad y = mx + b$$

Shared example

First point: (1, 1)

Second point: (3, 5)

Show slope and every equation step below.

Practice 1

First point: (_____ , _____)

Second point: (_____ , _____)

Show slope and every equation step below.

Practice 2

First point: (_____ , _____)

Second point: (_____ , _____)

Show slope and every equation step below.

Practice 3

First point: (_____ , _____)

Second point: (_____ , _____)

Show slope and every equation step below.

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$$m = \frac{y_2 - y_1}{x_2 - x_1} \qquad y - y_1 = m(x - x_1) \qquad y = mx + b$$

Practice 4

First point: (_____ , _____)

Second point: (_____ , _____)

Show slope and every equation step below.

Practice 5

First point: (_____ , _____)

Second point: (_____ , _____)

Show slope and every equation step below.

Practice 6

First point: (_____ , _____)

Second point: (_____ , _____)

Show slope and every equation step below.

Practice 7

First point: (_____ , _____)

Second point: (_____ , _____)

Show slope and every equation step below.