

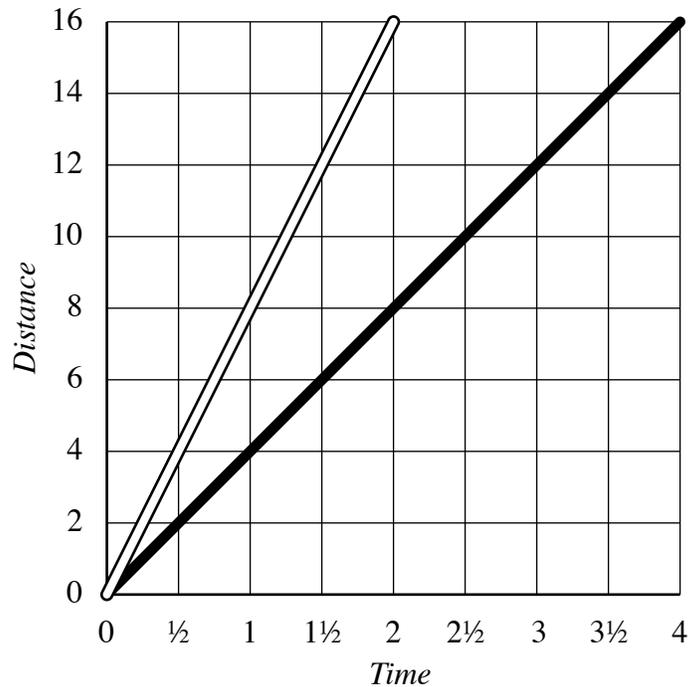
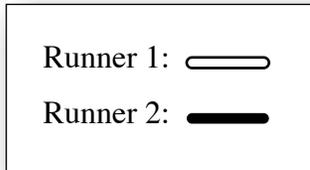
MathFLIX CHALLENGE

Using $y = mx + b$: Runners 1 & 2

The slope of a line, m , is its rise over run, or

$$m = \frac{\text{change in } y}{\text{change in } x}$$

The y-intercept of a line, b , is the point at which a line crosses the y axis. Using the graph below and the equation $y = mx + b$, complete the problems below.



Runner 1:

Slope: _____

Equation: _____

How far was runner 1 after 1 hour? _____ After 2 hours? _____

X: HOURS	1	2	3	4	5	6
Y: MILES						

Runner 2:

Slope: _____

Equation: _____

How far was runner 2 after 1 hour? _____ After 2 hours? _____

X: HOURS	1	2	3	4	5	6
Y: MILES						