

October 5, 2016

$$y = |x - 2| + 3$$

Absolute Value Equation

Oct 5-9:51 AM

Doing 3.1 COAE
by Friday

Oct 5-10:12 AM

The Rate of Change between
Points on a line is expressed
as slope.

Oct 5-10:13 AM

$y_2 - y_1 = \Delta y$

$x_2 - x_1 = \Delta x$

slope = $\frac{\Delta y}{\Delta x} = \frac{\text{rise}}{\text{run}}$

So, slope (m) = $\frac{y_2 - y_1}{x_2 - x_1}$

Oct 5-10:15 AM

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

(2, -3) & (-6, 9)

① $m = \frac{y_2 - y_1}{x_2 - x_1}$

② $m = \frac{y_2 - y_1}{x_2 - x_1}$

$$= \frac{(9) - (-3)}{(-6) - (2)}$$

$$= \frac{9 + 3}{-8}$$

$$= \frac{12}{-8} = -\frac{3}{2}$$

$m = -\frac{3}{2}$

(2, -3) → (2 + 2, -3 - 3) = (4, -6)

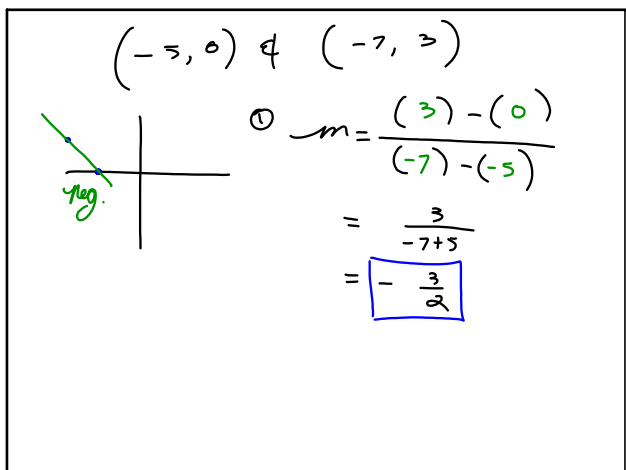
(-6, 9) → (-6 - 2, 9 + 3) = (-8, 12)

Oct 5-10:25 AM

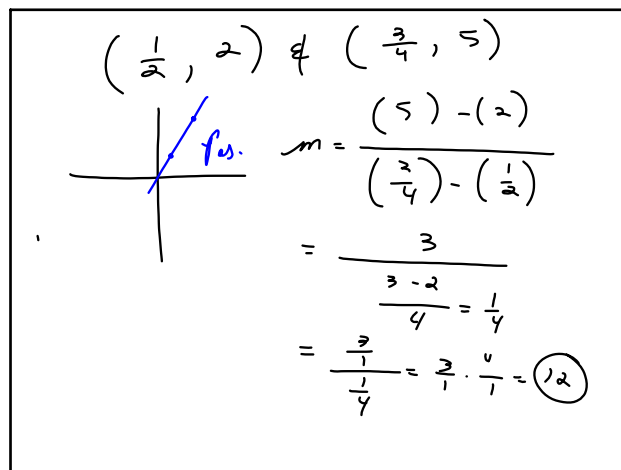
Positive slope

Negative slope

Oct 5-10:27 AM



Oct 5-10:37 AM



Oct 5-10:43 AM