Activity 1.5.1: Slope of a Line

Total points = 29

A. Answers

1. $m = \dfrac{y_2 - y_1}{x_2 - x_1}$ ✓

   $m = \dfrac{3 - (-4)}{0 - (-2)}$ ✓

   $m = \dfrac{7}{2}$ ✓

2. $m = \dfrac{y_2 - y_1}{x_2 - x_1}$ ✓

   $m = \dfrac{1 - 3}{2 - 0}$ ✓

   $m = \dfrac{-2}{2}$ ✓

   $m = -1$ ✓

3. $m = \dfrac{y_2 - y_1}{x_2 - x_1}$ ✓

   $m = \dfrac{-3 - (-3)}{2 - (-3)}$ ✓

   $m = \dfrac{0}{5}$ ✓

$m = 0$ ✓

4. $m = \dfrac{y_2 - y_1}{x_2 - x_1}$ ✓

   $m = \dfrac{0 - (-2)}{4 - 0}$ ✓

   $m = \dfrac{2}{4}$ ✓

   $m = \dfrac{1}{2}$ ✓

5. $m = \dfrac{y_2 - y_1}{x_2 - x_1}$ ✓

   $m = \dfrac{-4 - 3}{-2 - (-2)}$ ✓

   $m = \dfrac{-7}{0}$ ✓

   $m = $ undefined ✓

B. Answers

1. m = -3 ✓, trend: decreasing ✓
2. m = $\dfrac{1}{4}$ ✓, trend: increasing ✓
3. m = 2 ✓, trend: increasing ✓
4. m = -2 ✓, trend: decreasing ✓
5. m = 0 ✓, trend: horizontal ✓