

Find the slope of each function:

1) Table

x	y
0	3
2	4
4	5

+2 ↶ ↷ +1

$\frac{\text{change in } y}{\text{change in } x} = m = \frac{1}{2}$

2) Equation

$$y = \frac{1}{5}x - 4$$

$$m = \frac{1}{5}$$

3) Graph

Count: $\frac{\text{Rise}}{\text{Run}}$

4) Verbal

The graph of the function is a line that passes through the point (0,-2) with a slope of $-\frac{3}{5}$

$$m = -\frac{3}{5}$$

****When comparing slope, the sign doesn't matter.**

****The larger the slope, the steeper the line.**

$$1) m = \frac{1}{2} = \frac{5}{10}$$

$$2) m = \frac{1}{5} = \frac{2}{10}$$

$$4) m = -\frac{3}{5} = \frac{-6}{10}$$

Function 4 has the greatest rate of change.