

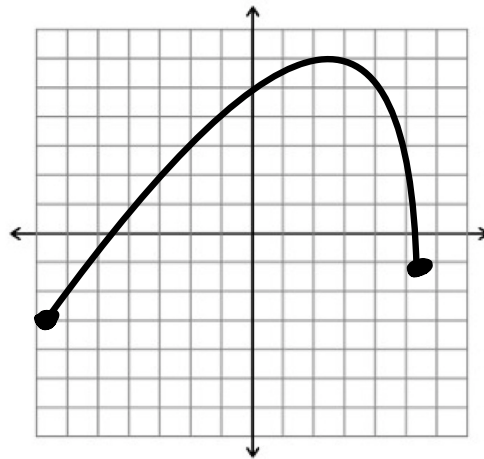
Rate of change worksheet

Use the graph at the right to find the average rate of change over the following intervals.

$[-3, -1]$

$[-1, 3]$

$[2, 4]$

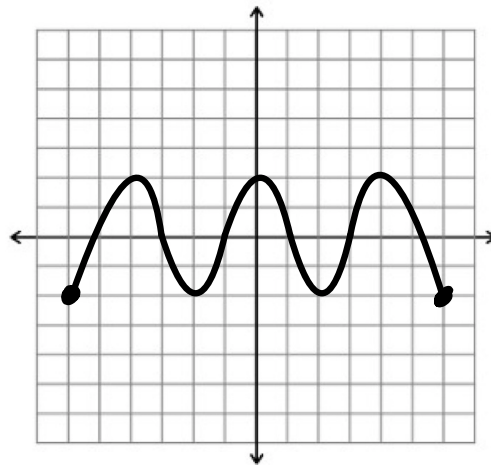


Use the graph at the right to find the average rate of change over the following intervals.

$[-4, 0]$

$[2, 6]$

$[-4, 6]$



Find the average rate of change over the following intervals for the functions shown, and determine if it is linear or nonlinear based on the rate of change.

$$f(x) = 2x - 9$$

$[-2, -1]$

$$g(x) = \sqrt{x+2} - 3$$

$[-2, -1]$

$[-1, 2]$

$[-1, 2]$

$[-2, 2]$

$[-2, 2]$