

## Linear Rate of Change Practice Worksheet B

Name \_\_\_\_\_ Class Period \_\_\_\_\_

The table shows the time a car drove and the distance it traveled.

<b>Time (hours)</b>	2	3	6	8	11	13
<b>Distance (miles)</b>	130	195	405	520	710	855

- 1) Find the rate of change between [2, 8].
- 2) Find the rate of change between  $x = 3$  and  $x = 13$ .

The table shows the amount of days after a seed has been planted and the height of the plant.

<b>Days</b>	17	23	24	27	42	48
<b>Height (cm)</b>	1.25	1.75	1.9	2.2	3.25	3.5

- 3) Find the rate of change between [23, 48].
- 4) Find the rate of change between  $x = 17$  and  $x = 42$ .

Find the rate of change, given the following information:

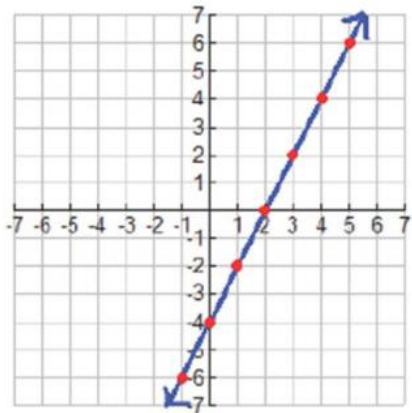
5.  $f(x) = -x + 3 ; -4 \leq x \leq 0$

6.  $g(x) = 5x - 1 ; [-3, 2]$

7.  $\{(-4,19),(-1,7),(1,-1),(3,-9)\}$   $-1 \leq x \leq 3$

8.  $\{(-2,-7),(0,-1),(1,2),(5,14)\}$   $-2 \leq x \leq 5$

9.  $[-1, 3]$



10.  $x_1 = 2$  to  $x_2 = 6$

