

COMPARE RATES OF CHANGE

Directions: Find the rate of change for both of the linear functions in each problem. Then determine which function has the greater rate of change.

1

Function A

$$y = 5x + 3$$

Function B

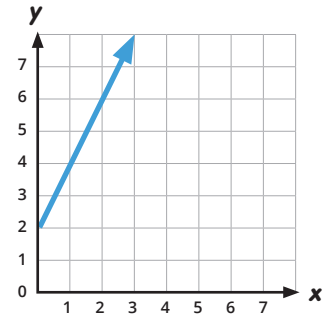
x	y
1	6
2	9
3	12

2

Function C

x	y
2	9
3	10
4	11

Function D



Function A

Function B

Rate of Change: _____ Rate of Change: _____

Which function has the greater rate of change?

Function C

Function D

Rate of Change: _____ Rate of Change: _____

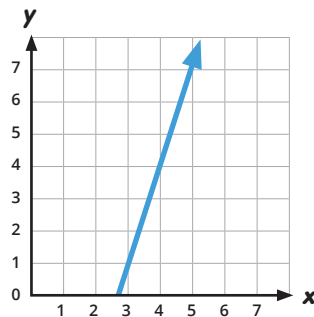
Which function has the greater rate of change?

3

Function E

$$y = x - 2$$

Function F

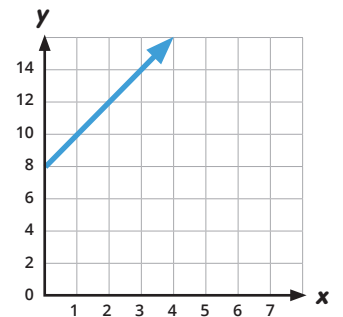


4

Function G

x	y
12	2
18	4
24	6

Function H



Function E

Function F

Rate of Change: _____ Rate of Change: _____

Which function has the greater rate of change?

Function G

Function H

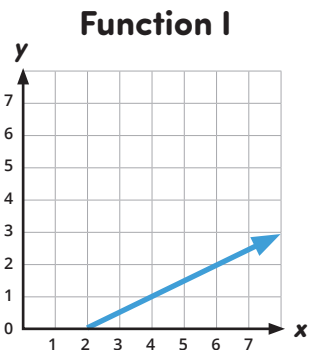
Rate of Change: _____ Rate of Change: _____

Which function has the greater rate of change?

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5



Function J
 $y = 2x + 5$

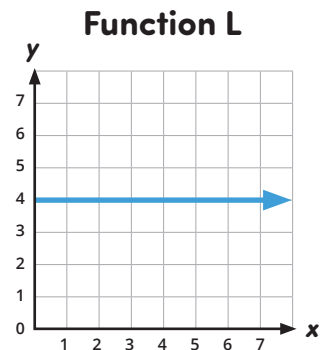
Function I Function J
Rate of Change: _____ Rate of Change: _____

Which function has the greater rate of change?

6

Function K

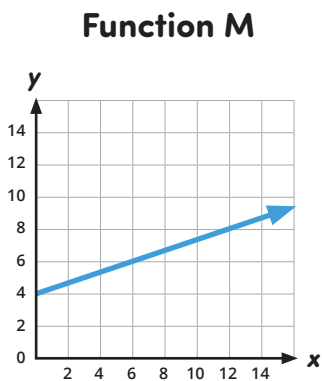
x	y
3	7
6	10
9	13



Function K Function L
Rate of Change: _____ Rate of Change: _____

Which function has the greater rate of change?

7



Function N
 $y = \frac{1}{4}x - 4$

Function M Function N
Rate of Change: _____ Rate of Change: _____

Which function has the greater rate of change?

8

Function O
 $y = \frac{5}{6}x - 3$

Function P

x	y
2	-5
5	-3
8	-1

Function O Function P
Rate of Change: _____ Rate of Change: _____

Which function has the greater rate of change?
