Name _____ Date _____ Answer Key Page 1

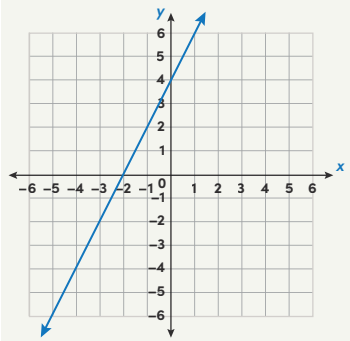
Comparing Linear Functions:

TABLES, GRAPHS, AND EQUATIONS

Directions: Fill in the blanks to compare the slopes or *y*-intercepts of the linear functions below.

1

FUNCTION A



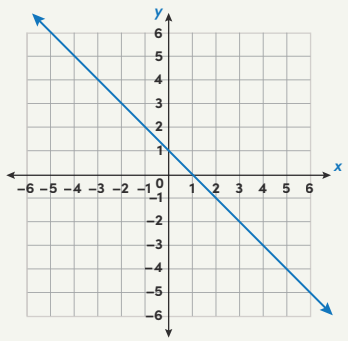
FUNCTION B

x	*y*
0	2
2	8
5	17

Function B has a greater slope than Function A.

2

FUNCTION M



FUNCTION N

$y = 3x - 1$

Function M has a greater *y*-intercept than Function N.

3

FUNCTION V

x	*y*
−4	6
0	−6
3	−15

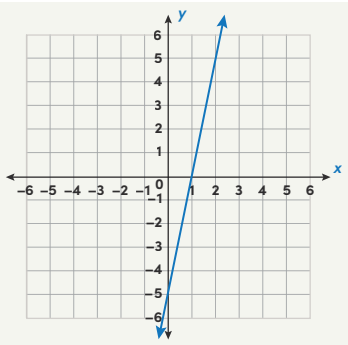
FUNCTION W

$y = -5x - 4$

Function W has a greater *y*-intercept than Function V.

4

FUNCTION R



FUNCTION S

x	*y*
−1	−8
3	8
7	24

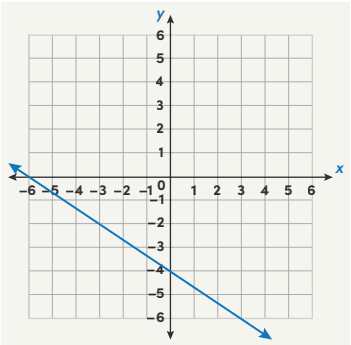
Function R has a greater slope than Function S.

5

FUNCTION J

$y = -\frac{2}{5}x + 1$

FUNCTION K



Function J has a greater *y*-intercept than Function K.

6

FUNCTION C

x	*y*
−7	7
−3	7
2	7

FUNCTION D

$y = 6x + 2$

Function D has a greater slope than Function C.

Comparing Linear Functions:

TABLES, GRAPHS, AND EQUATIONS

Keep going! Fill in the blanks to compare the slopes or *y*-intercepts of the linear functions below.

7

FUNCTION P

$y = x + 1$

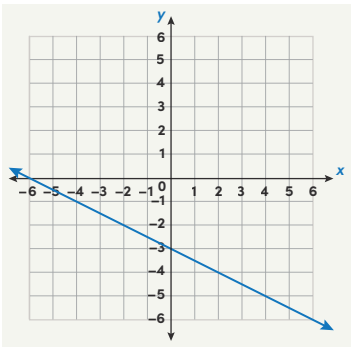
FUNCTION Q

x	y
−6	20
−2	22
4	25

Function P has a greater slope than Function Q.

8

FUNCTION T



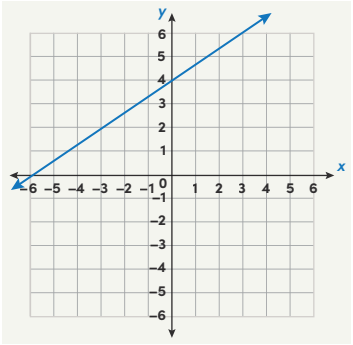
FUNCTION U

$y = -\frac{3}{2}x - 6$

Function T has a greater *y*-intercept than Function U.

9

FUNCTION E



FUNCTION F

$y = \frac{3}{4}x + 4$

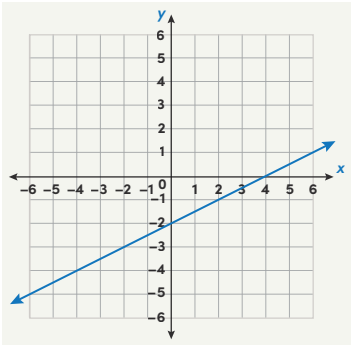
Function F has a greater slope than Function E.

10

FUNCTION L

x	y
−4	−9
−1	−3
3	5

FUNCTION M



Function L has a greater *y*-intercept than Function M.

11

FUNCTION B

x	y
−2	−7
2	13
4	23

FUNCTION C

$y = \frac{2}{3}x + 5$

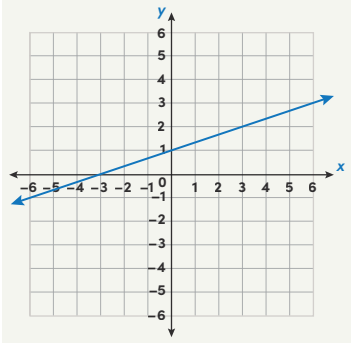
Function C has a greater *y*-intercept than Function B.

12

FUNCTION G

x	y
−4	−2
2	7
6	13

FUNCTION H



Function G has a greater slope than Function H.