

### Unit 0 Quiz 1

#### Multiple Choice

Identify the choice that best completes the statement or answers the question.

1. Give the domain and range of the relation.

$x$	$y$
4	9
6	13
0	0
-5	-9

- $D: \{-9, 0, 9, 13\}; R: \{-5, 0, 4, 6\}$
  - $D: \{4, 6, -5, 9, 13, -9\}; R: \{0\}$
  - $D: \{-5, 4, 6\}; R: \{-9, 9, 13\}$
  - $D: \{-5, 0, 4, 6\}; R: \{-9, 0, 9, 13\}$
2. Evaluate  $f(x) = -2x - 5$  for  $x = 3$ .
- 11
  - 1
  - 6
  - 11

Write a function rule for the table.

- 3.

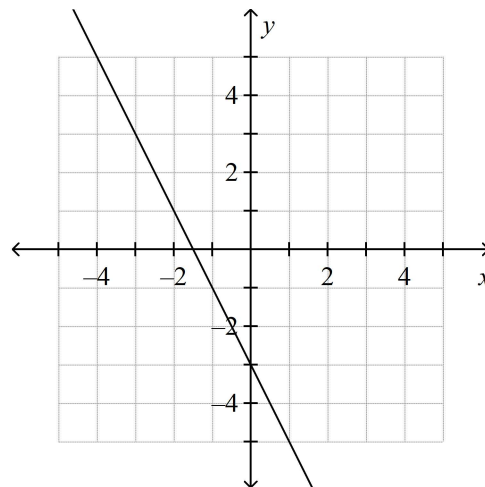
$x$	$f(x)$
3	7
4	8
5	9
6	10

- $f(x) = x - 4$
  - $f(x) = 4x$
  - $f(x) = x + 4$
  - $f(x) = -4 - x$
4.  $5x - 5 = 3x - 9$
- 2
  - 1
  - 1
  - 3

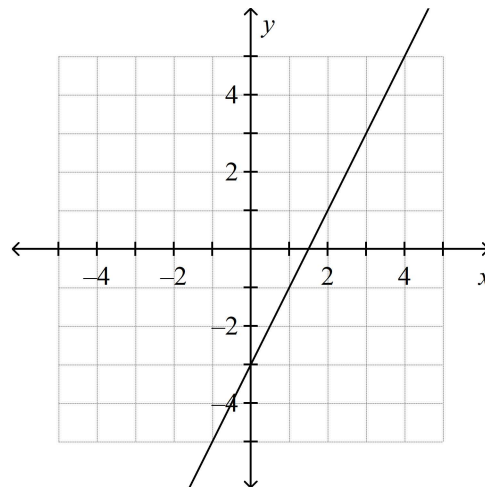
Graph the function.

5.  $y = -2x + 3$

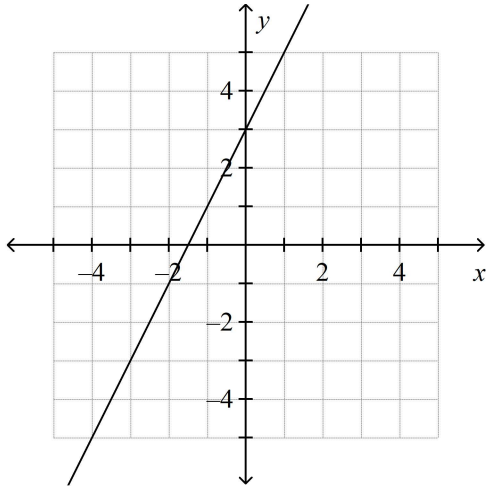
a.



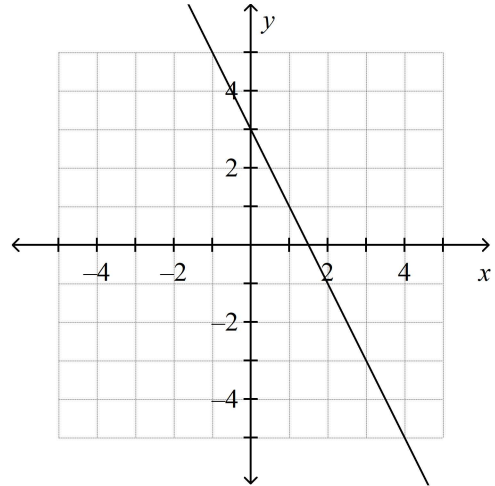
b.



c.



d.



**Short Answer**

6. Find the domain and range. Determine whether the relation is discrete or continuous.

$$\{(7, 8), (7, 5), (7, 2), (7, -1)\}$$

.

7. Find the domain and range. Determine whether the relation is discrete or continuous.

$$y = -2x + 1$$

.

**Solve the equation.**

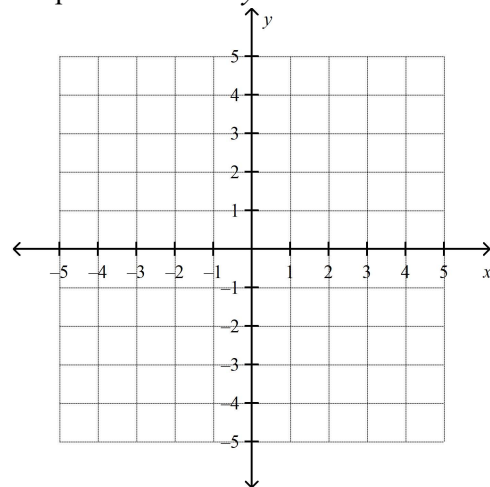
8.  $5h - 9 = -16 + 6h$

.

9.  $3(y + 6) = 30$

.

10. Graph the function  $y = 2x - 1$ .



## Unit 0 Quiz 1 Answer Section

### MULTIPLE CHOICE

1. D
2. A
3. C
4. A
5. D

### SHORT ANSWER

6. D: {7}  
R: {8, 5, 2, -1}  
discrete
7. D:  $-\infty, \infty$   
R:  $-\infty, \infty$   
continuous

8. 7

9. 4

10.

