Lesson 8.2 • Functions and Graphs

Name	Period	Date
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1. Use the given equations to find the missing output values.

5.
$$y = -1.5 + 3x$$

3.
$$y = -1.5 + 3x$$
 c. $y = 6.8 + 0.5x$

Input O	utput
1	
. 3	
- 2	
2 f	
	and the following of the left
2	

Input x	Output y
-2	
-1.5	
-1	
-0.5	
0	
0.5	
1	

Input x	Output y
-6	
-2.4	
1	
2.8	
-14	
3.1	
-17.5	

2. Use the given equations to find the missing domain and range values.

a.
$$y = -3x - 9$$
 b $2x - 3y = 6$ c. $x^2 - 2y = 11$

$$b 2x - 3y = 6$$

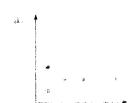
c.
$$x^2 - 2y = 11$$

	couper a second consequence where
Domain	Range
:	

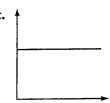
Domain x	Range y
	0
0	
	2
-6	
	5

Domain x	Range <i>y</i>
3	
0	
	7
1	
4	

3. Find whith a companies E graph represents a function.

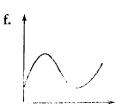












Lesson 8.3 • Graphs of Real-World Situations

var	me	Period	Date
, editor	not each relationship, identify the indep the dependent variable.	pendent variable and	
	a. The temperature of a carton of milk	and the length of time i	t has been
	b. The weight suspended from a rubber the rubber hand	r band and the length of	
	c. The diameter of a pizza and its cost		
	d. The number of privately owned cars n a country	and the standard of livin	ng
	e. he number of cars on the freeway as a the air	nd the level of exhaust fo	ımes
2.	Sketch a reasonable graph for each situate a. The temperature of a pot of water as	tion and label the axes.	The the attitud
	a. The temperature of a pot of water as	it is heated	graph super
	b. The relationship between the cooking the temperature of the oven	g time for a 2-pound roa	st and
	a. The distance from a Ferris-wheel ride two revolutions	er to the ground during	
3.	Match each description with its most like	ely graph, and tell which	variable
	ii.	iii.	

- 4. The relationship between your grade on the next math test and the amount of time you spend doing math problems before the test
- b. The relationship between the amount a person earns in an 8-hour day and his or her hourly wage
- the change in the area of a square as its side length increases