6-2 Intercepts with Domain and Range Extras



Determine the x and y-intercepts of the given functions.

 7. f(x) = 3x - 9 x-intercept = _____
 y-intercept = _____

 8. f(x) = 6x - 24 x-intercept = _____
 y-intercept = _____

 9. $f(x) = \frac{1}{2}x - 4$ x-intercept = _____
 y-intercept = _____

10.). If the domain of $f(x) = 2x - 1$ is {3, 5, 10}, what is the range?	
11.	. If the domain of $f(x) = -x - 1$ is $\{-4, 1, 0\}$, what is the range?	
12.	2. If the domain of $f(x) = -2x - 1$ is $\{-3, 0, 8\}$, what is the range?	

13. If the domain of $f(x) = \frac{1}{2}x - 1$ is {-8, -4, 1}, what is the range?

Ch	art 1
Х	У
5	-2
4	-3
7	-9
?	?

Cha		
Х	у	
1	6	
2	8	
3	4	
?	?	

Chart 3		
Х	у	
0	-6	
6	-8	
8	-1	
?	?	

____14. Which elements can replace the missing values (the ? marks) in Chart 1 to create a relation that is NOT a function?

Α	
X	у
3	11

В	
х	У
4	7

-

С	
Х	У
6	-2

D	
Х	у
0	-2

____15. Which elements can replace the missing values (the ? marks) in Chart 2 to create a relation that is NOT a function?

	Α
X	у
3	5

В	
х	у
4	8

С	
Х	у
9	-4

D	
Х	у
7	7

16. Which elements can replace the missing values (the ? marks) in Chart 3 to create a relation that is NOT a function?

Α		В		С		D	
Х	у	Х	у	Х	у	Х	у
5	16	11	1	1	4	0	8