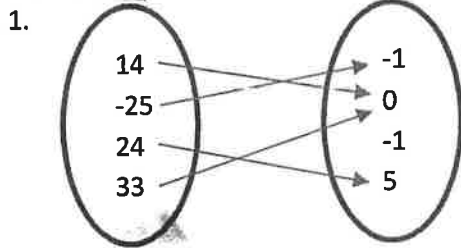


5.1 Function Notation

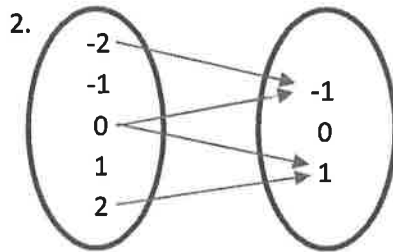
Corrective Assignment

Determine if the following are functions. For each function, tell what the domain and range is. If it is not a function, explain why.



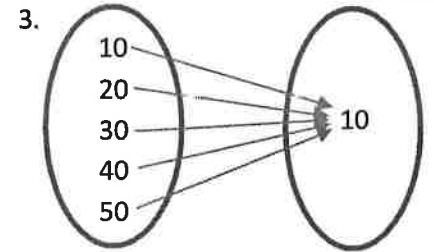
Function? Yes or No
Domain:

Range:



Function? Yes or No
Domain:

Range:



Function? Yes or No
Domain:

Range:

4. $(2, 2), (4, 2), (5, 2), (2, 2), (6, 2)$

Function? Yes or No
Domain:

Range:

Fb

5. The assignment of license plates to cars in a state.

Function? Yes or No
Domain:

Range:

6. $F(x) = 2x^2 - 2x^2$

Function? Yes or No
Domain:

Range:

7. Let $W(a) = a^3 - a^2$.

a. Complete the following table:

a	0	1	2	3	4	h
$W(a)$						

b. Tell the domain and range of the function (Hint: Based off of the equation, not the table!)

c. Suppose $W(a) = 18$. Find a .

d. Find $W(4)$

Let the functions $A(x) = 5x^2 - 2$, $B(x) = |x| + 2$ and $C(x) = \sqrt{x}$. Find the following:

11. $A(-2)$

12. $B(-2)$

13. $C(4) + A(3)$

14. $C(1) + C(100)$

15. Find x if $A(x) = 43$

16. Give the domain of $C(x)$

17. Find x if $B(x) = 21$

18. $A(12) - B(4)$