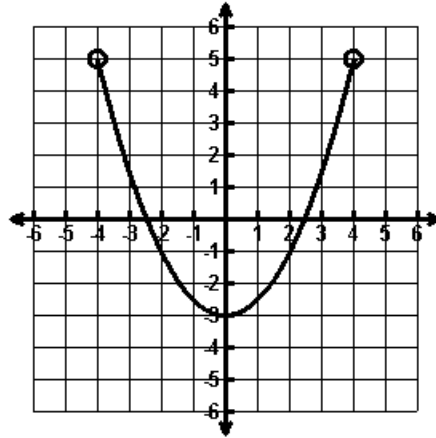




## Identifying Domain and Range

*Evaluate*

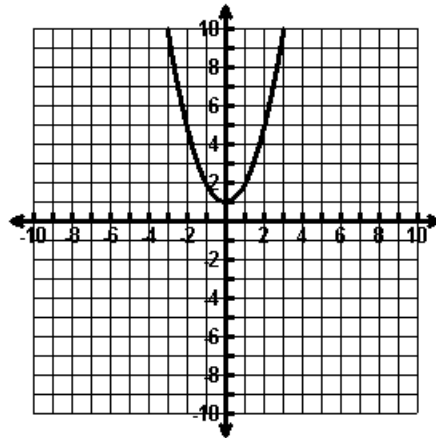
- 1 What is the domain of the function shown on the graph below?



- A  $-3 \leq x \leq 5$
- B  $-3 < x < 5$
- C  $-4 \leq x \leq 4$
- D  $-4 < x < 4$



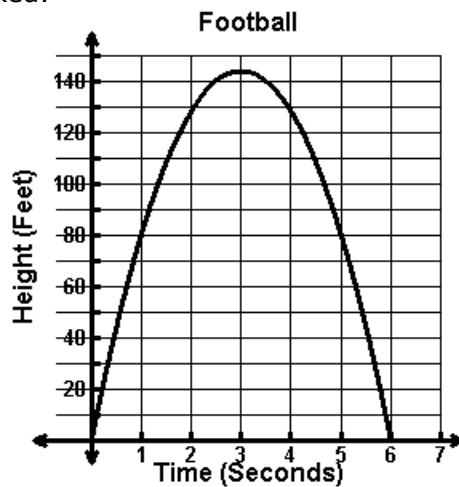
- 2 The graph of the function  $y = x^2 + 1$  is shown below.



What is the range of this function?

- A  $y > 1$
- B  $y \geq 1$
- C  $x < 0$
- D  $x \leq 0$

- 3 The graph shows the relationship between the height of a football and the amount of time since it was kicked.

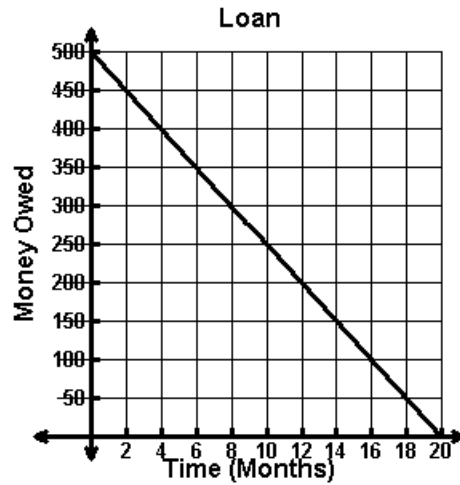


What is the domain of the function for this situation?

- A  $0 \leq x \leq 6$
- B  $0 < x < 6$
- C  $0 \leq y \leq 144$
- D  $0 < y < 144$



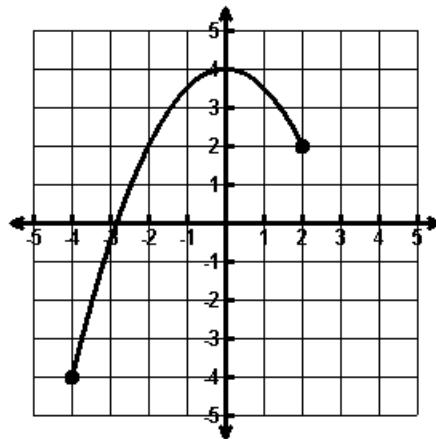
- 4 The graph shows the relationship between the amount of money owed on a loan and the number of months paid on the loan.



What is the range of the function for this situation?

- A  $0 < x < 20$
- B  $0 \leq x \leq 20$
- C  $0 < y < 500$
- D  $0 \leq y \leq 500$

- 5 What is the domain of the function shown on the graph below?



- A  $-4 \leq x \leq 2$
- B  $-4 \leq x \leq 4$
- C  $-4 \leq y \leq 4$
- D  $-4 \leq y \leq 2$



- 6 The total cost that a farmer has to pay for space at a local farmers' market can be found using the function  $c = 40t + 50$ , where  $t$  is the number of tables that the farmer rents for the day. If a farmer rents at least 3 tables but not more than 7 tables, what is the domain of the function for this situation?

- A  $3 \leq t \leq 7$
- B  $170 \leq t \leq 330$
- C  $\{3, 4, 5, 6, 7\}$
- D  $\{170, 210, 250, 290, 330\}$
- 

- 7 The table shows some ordered pairs that belong to quadratic function  $k$ .

$x$	-3	-2	-1	0	1	2	3
$k(x)$	-5	0	3	4	3	0	-5

What is the range of  $k$ ?

- A All real numbers greater than or equal to  $-5$
- B All real numbers less than or equal to 4
- C All real numbers less than or equal to 0
- D All real numbers

