

F.IF.5

Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes. For example, if the function  $h(n)$  gives the number of person-hours it takes to assemble  $n$  engines in a factory, then the positive integers would be an appropriate domain. ★

a. Focus on linear and exponential functions. (M1)

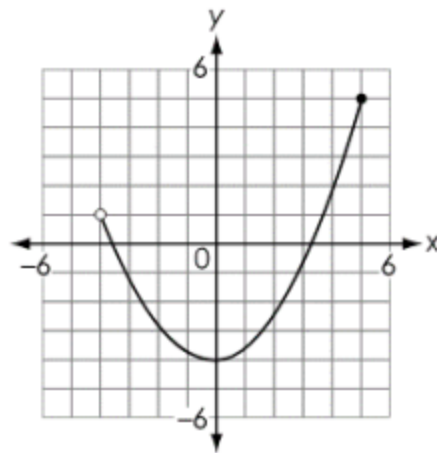
b. Focus on linear, quadratic, and exponential functions. (A1, M2)

c. Emphasize the selection of a type of function for a model based on behavior of data and context. (A2, M3)

F.IF.5

OH.2024.Q9

The graph of a function is shown.



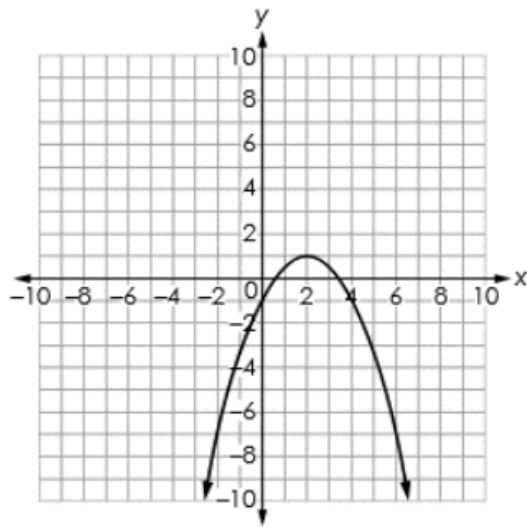
Select a sign for each box to show the domain of the function.

-4	<input type="text"/>	x	<input type="text"/>	5
<div><input checked="" type="checkbox"/>   &lt;   ≤</div>				

F.IF.5

OH.2023.Q21

The graph of the function  $f(x) = -\frac{1}{2}x^2 + 2x - 1$  is shown.



What is the domain of the function?

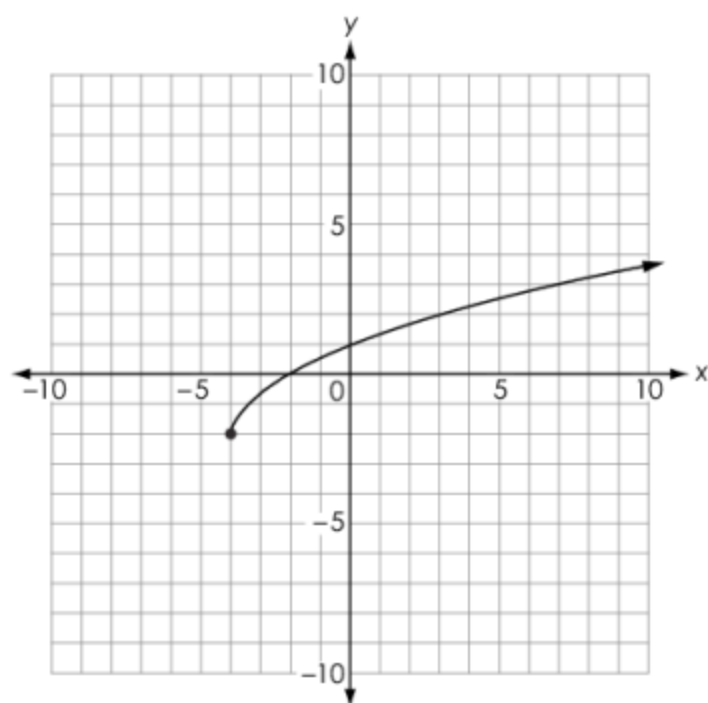
☐ A  $-3 < x < 7$

☐ B  $-10 \leq y \leq 1$

☐ C all real numbers

☐ D all numbers less than or equal to 1

The graph of a function is shown.

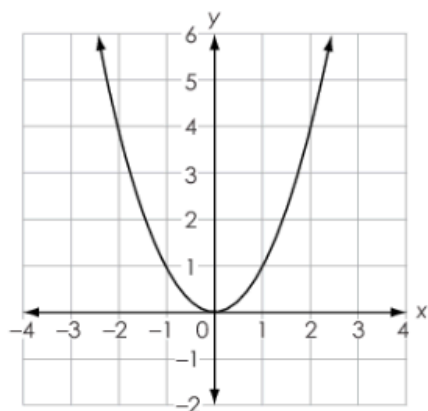


What is the domain of the function?

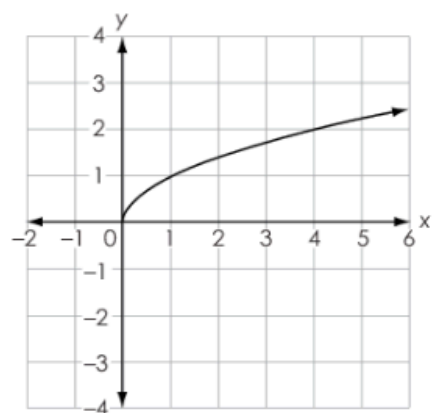
- Ⓐ  $x \geq -4$
- Ⓑ  $x \geq -2$
- Ⓒ  $x \geq 0$
- Ⓓ  $x \geq 1$

Which graph represents a function whose domain is the set of non-negative real numbers?

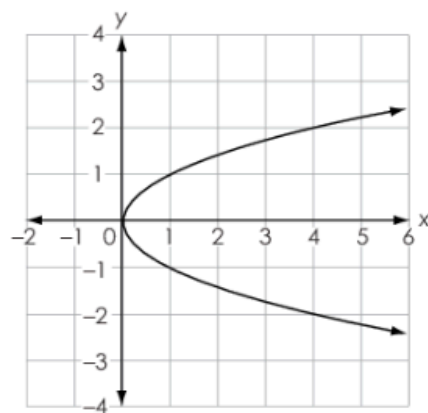
(A)



(C)



(B)



(D)

