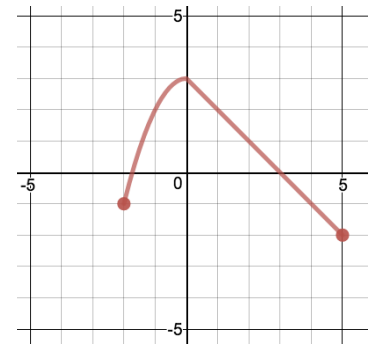
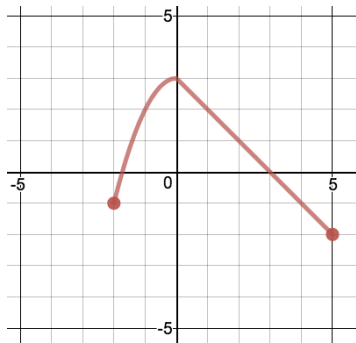


**A)** Find the *domain* of  $f(x) = \frac{1}{x+7}$ . This question is simply asking you to figure out which x values can be used for this equation. Your solution should display all of the “valid” x-values (inputs) that will result with a y-value (output). Show work.

**B)** Find the *range* of the function graphed below. This question is asking you to display all of the possible y-values that this equation uses.



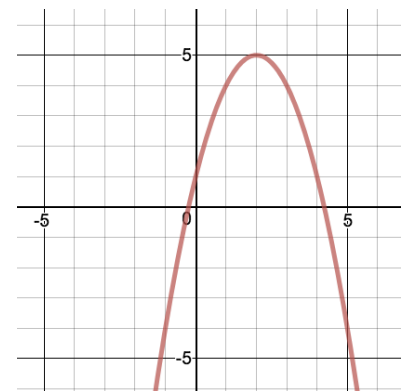
**C)** Find the *domain* of the function graphed below. This question is asking you to display all of the possible x-values this equation uses.



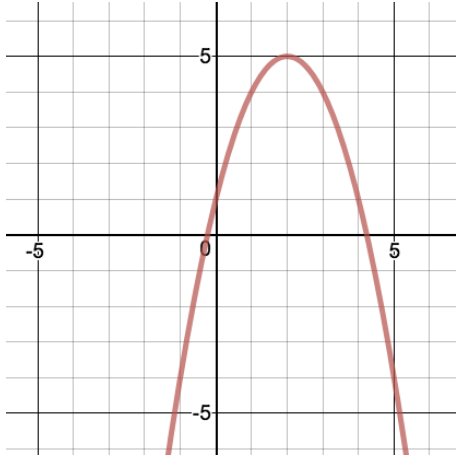
**D)** Suppose  $g(x) = 3x - 9$ . Evaluate  $g(3)$ . This question is asking you to plug in 3 for x and display the result.

**E)** Suppose  $h(x) = 3x - 9$ . Solve  $h(x) = 50$ . This question is asking you to solve for x by setting up an equation where  $h(x)$  is replaced with 50. Do not substitute 50 for x.

**F)** The graph of  $m(x)$  is below. Evaluate  $m(5)$ . This question is asking you to determine the output (y-value) when  $x=5$ . What is the value of the graph at  $x=5$ ?



**G)** The graph of  $m(x)$  is below. Solve  $m(x) = 1$ . This question is asking you to find all the  $x$ -values that produce an output ( $y$ -value) of 1.



**H)** Determine if the following relation is a function. This question is asking if every input ( $x$ -value) has exactly one output ( $y$ -value) associated with it.

$\{(3,4), (4,9), (6,7), (2,9), (4,10)\}$