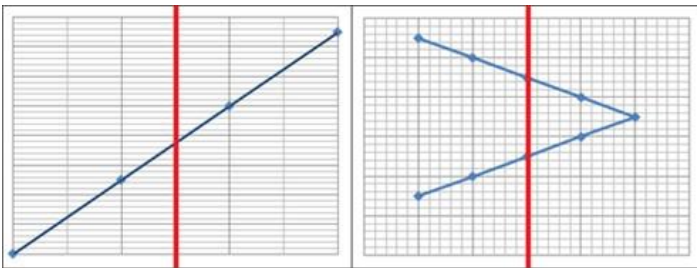


Objective 61

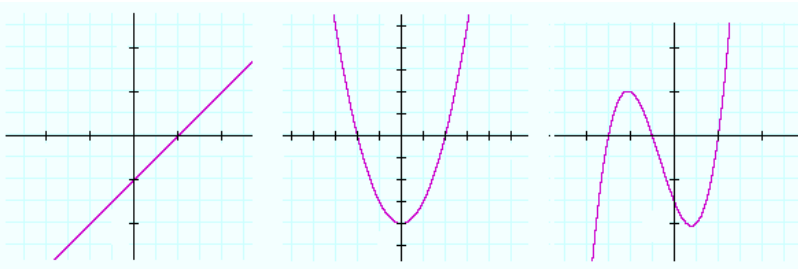
Determine if a relation expressed as a graph is a function.

If you are insecure whether your relation is a function or not you can draw a vertical line right through your graph. If the relation is not a function the graph contains at least two points with the same x-coordinate but with different y-coordinates.



The relation portrayed in the graph to the left shows a function whereas the relation in the graph to the right is not a function since the vertical line is crossing the graph in two points.

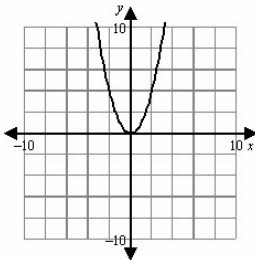
Guided Practice:



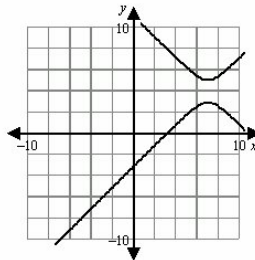
Independent Practice:

Which graph represents y as a function of x ?

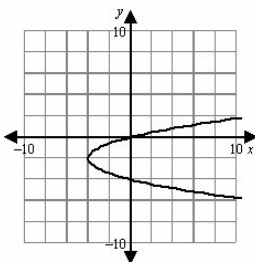
[A]



[B]



[C]



Additional Help:

<https://www.youtube.com/watch?v=5Z8DaZPJLKY>

<http://www.virtualnerd.com/algebra-2/linear-equations-functions/reasons-functions/functions/vertical-line-test-example>