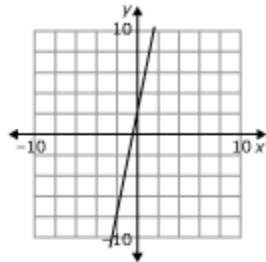


Objective 69

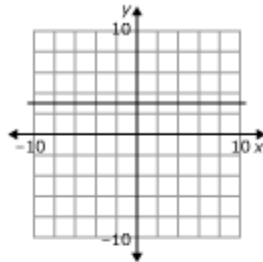
Determine whether a graph represents a linear or nonlinear function

PROBLEM

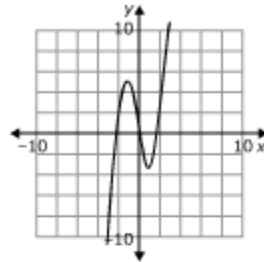
Identify the graph that shows a nonlinear function.



Graph 1



Graph 2



Graph 3

STEP 1

Recall how the graph of a linear function and nonlinear function should look in the coordinate plane.

The graph of a linear function is a straight line. If the graph is not a straight line, the function is nonlinear.

STEP 2

Determine if graph 1 is nonlinear.

The graph is a straight line. So, the function is linear.

STEP 3

Determine if graph 2 is nonlinear.

The graph is a straight line. So, the function is linear.

STEP 4

Determine if graph 3 is nonlinear.

The graph is a not straight line. So, the function is nonlinear.

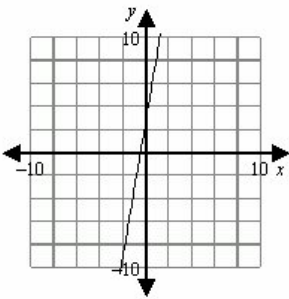
ANSWER

graph 3

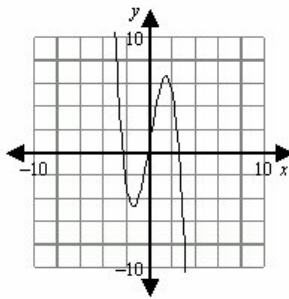
Guided Practice:

1. Which graph shows a linear function?

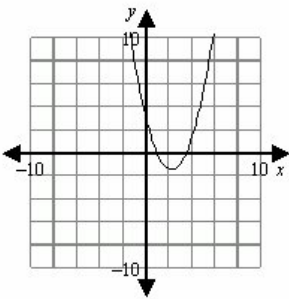
[A]



[B]



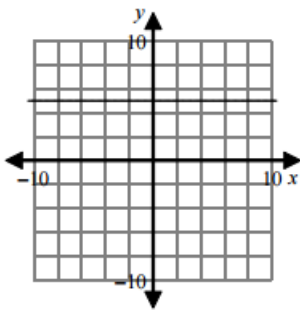
[C]



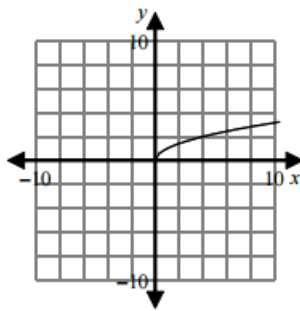
Independent Practice:

Which graph shows a linear function?

[A]



[B]



[C]

