

1.

Can the table shown below represent a function? Explain.

Input (x)	1	3	5	5	9
Output (y)	7	16	19	20	28

Solution:

No, the table cannot represent a function because the input of 5 has two different outputs. Functions assign only one output to each input.

2.

Can the table shown below represent a function? Explain.

Input	10	20	50	75	90
Output (y)	32	32	156	240	

Solution:

Yes, the table can represent a function. Even though there are two outputs that are the same, each input has only one output.

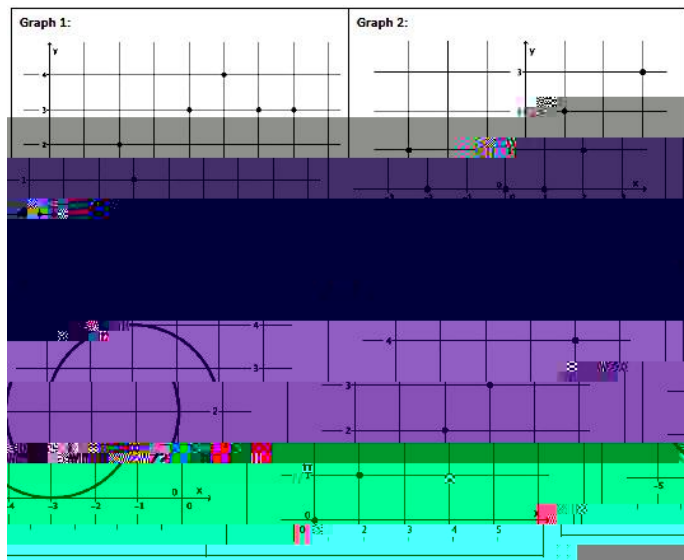
Three-Dimensional Solids Seen Frequently in this Module

CONE

CYLINDER

SPHERE

Which of the four graphs (on the right) are functions? Explain.



Solution:  
Graphs