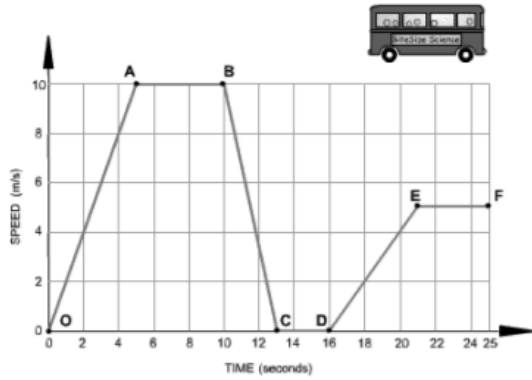


1. The graph below shows how the speed of a bus changes during part of a journey



Choose the correct words from the following list to describe the motion during each segment of the journey to fill in the blanks.

- accelerating
- decelerating
- constant speed
- at rest

**Segment O-A** The bus is \_\_\_\_\_. Its speed changes from 0 to 10 m/s in 5 seconds.

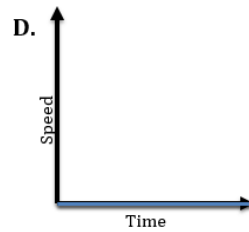
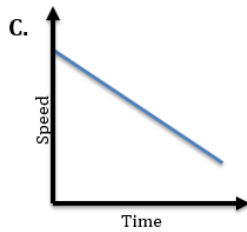
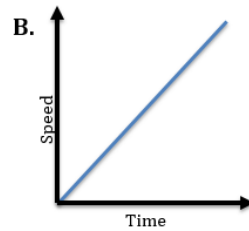
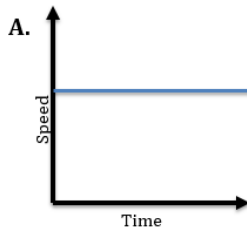
**Segment A-B** The bus is moving at a \_\_\_\_\_ of 10 m/s for 5 seconds.

**Segment B-C** The bus is \_\_\_\_\_. It is slowing down from 10 m/s to rest in 3 seconds.

**Segment C-D** The bus is \_\_\_\_\_. It has stopped.

**Segment D-E** The bus is \_\_\_\_\_. It is gradually increasing in speed.

2.



**Descriptions of Motion**

1. No Motion (stopped)
2. Constant Speed
3. Acceleration
4. Negative Acceleration (deceleration)

**Graph A** matches description \_\_\_\_\_

**Graph B** matches description \_\_\_\_\_

**Graph C** matches description \_\_\_\_\_

**Graph D** matches description \_\_\_\_\_

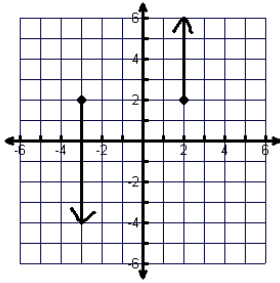
# Domain and Range

Name: \_\_\_\_\_

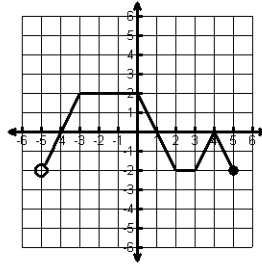
State the domain and range for each graph and then tell if the graph is a function (write yes or no).

If the graph is a function, state whether it is discrete, continuous or neither.

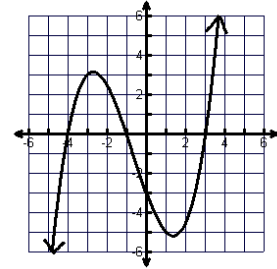
1) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_



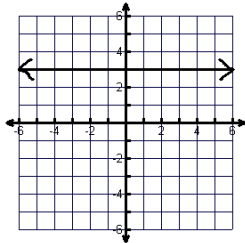
2) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_



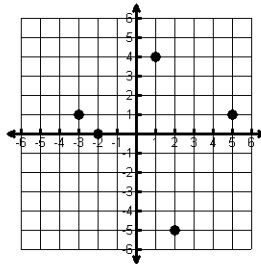
3) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_



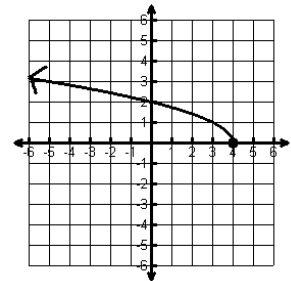
4) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_



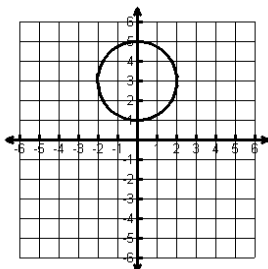
5) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_



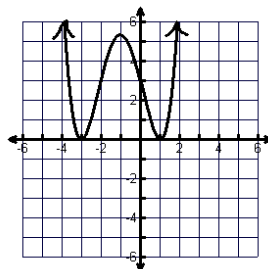
6) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_



7) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_



8) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_



9) Domain \_\_\_\_\_  
 Range \_\_\_\_\_  
 Function? \_\_\_\_\_

