Vocabulary	Definition or Equation	Example or Diagram
1. Independent Variable		
2. Dependent Variable		
3. Function		
4. Vertical Line test		
5. Domain		
6. Range		
7. Increasing Function		

8. Decreasing Function		
9. Constant Function		
10. Function Family		
11. Linear Function		
12. Exponential Function		
13. Quadratic Function		
14. Linear Absolute Value Function		

|		
15. Linear Piecewise Function		
16. Absolute Minimum		
17. Absolute Maximum		
18. Constant Rate of Change		
19. Variable Rate of Change		
20. Continuous Function		
21. Discrete Function		

Choose the graph that best models each scenario.

22. Marcus is at the top of an observation tower. He drops an action figure with a parachute attached and watches it descend to the ground.
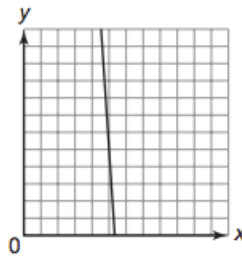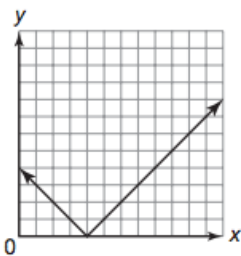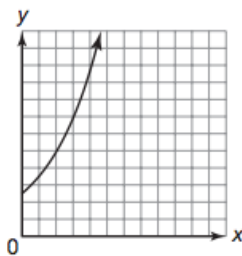
Graph A
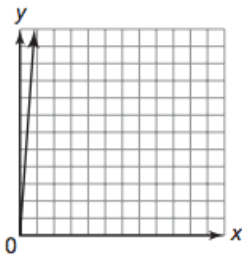
Graph B
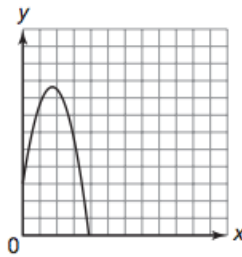
Graph C

23. Janelle holds a raffle to raise money for a children's hospital. Participants who enter the raffle guess the number of peanuts in a jar. Janelle records the number of peanuts each participant guesses and the number of peanuts their guess is off by.
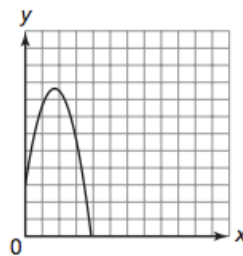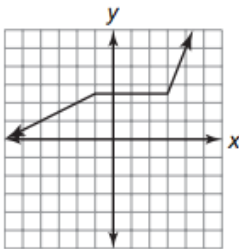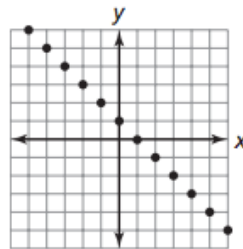
Graph A

Graph B

Graph C

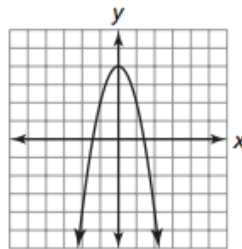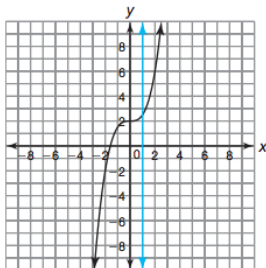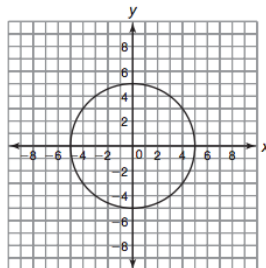**Determine whether each graph is discrete or continuous.**

24.

25.

26.

Determine if each graph represents a function by using the Vertical Line Test.

27.

28.

29.