Decide whether each scenario below is a discrete or continuous situation.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period \_\_\_\_\_ Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**Discrete and Continuous Graphs**

1. Temperature outside throughout the day \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The number of channels on your TV \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The model year of a car and its cost \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Students’ favorite color \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Temperature in an oven while baking a cake \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Number of erasers you can buy with $5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Height of a tree over time \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Number of siblings each student has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Label the graph with the correct scenario using A thru J below.**





1. A coach collects data on each player (age) and his height
2. A gardener records the age of a tree and its height

1. Tickets to a concert cost $20 each
2. The temperature inside a car over time

1. The market sells strawberries for $5 per pound
2. The speed of a roller coaster at Disney World at various times

1. The volume of the water in swimming pool steadily decreases by 15 gallons per minute
2. Each customer who enters the grocery store gets 2 free samples of chocolate.
3. Phillip is saving money for a dirt bike. He has $50 and saves $10 per month
4. The formula F=1.8C +32 compares the temperatures in degrees Celsius, C, to temperatures in degrees Fahrenheit, F.

In this lesson you will learn to identify a function by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ it’s \_\_\_\_\_\_\_\_\_\_\_\_.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period \_\_\_\_\_ Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**Function Video** (LZ1191 Learn Zillion)



What is the common mistake below? Is the relation below a function?

 Y or N



Domain Range

What is the domain and range of this graph?

D:{ } R{ }

What is the domain and range of this graph?

D:{ } R{ }

Is the relation below a function? Is the relation below a function?

Y or N Y or N



 Domain Range



What is the domain and range of this graph?

D:{ } R{ }

What is the domain and range of this graph?

D:{ } R{ }

Why is the 2nd picture a second not a function but the other two discrete graphs are? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



