

Assignment – Day 2 Function Relations

Identify the independent and dependent variable for each relation.

1. Increasing the temperature of a compound inside a sealed container increases the pressure inside a sealed container.

Independent: _____

Dependent: _____

Discrete or Continuous

2. Mike’s cell phone is part of a family plan. If he uses more minutes than his share, then there are fewer minutes available for the rest of his family.

Independent: _____

Dependent: _____

Discrete or Continuous

3. Julian is buying concert tickets for himself and his friends. The more concert tickets he buys the greater the cost.

Independent: _____

Dependent: _____

Discrete or Continuous

4. A store is having a sale over Labor Day weekend. The more purchases, the greater the profits.

Independent: _____

Dependent: _____

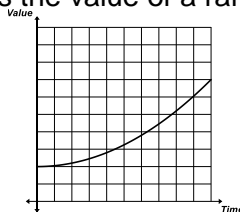
Discrete or Continuous

Describe what is happening in each graph.

5. The graph represents the value of a rare baseball card.

Ind. _____

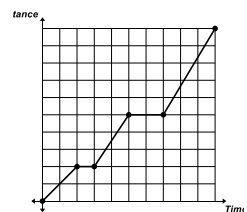
Dep. _____



6. The graph represents the distance covered on an extended car ride.

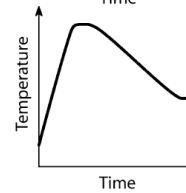
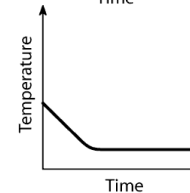
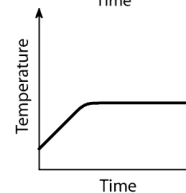
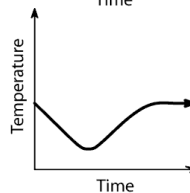
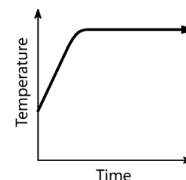
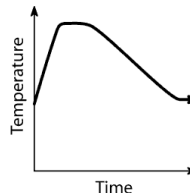
Ind. _____

Dep. _____

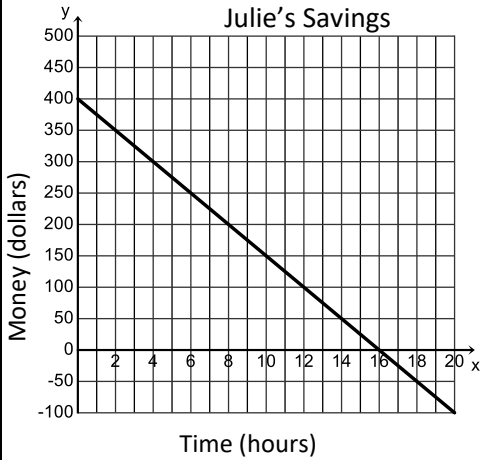


7. Match the context with the correct graph.

- a. You put ice in a cup of water and set it on the counter.
- b. You take a cup of ice cubes out of the freezer and set it on the counter.
- c. You put a cup of water into the freezer.
- d. You put a cup of water on the stove and heat it on high for two minutes then turn off the stove.
- e. You put a cup of ice water in the microwave and heat it on high for five minutes.
- f. You put a cup of ice cubes in the microwave and heat it on high for five minutes.



8. Julie is paying Brad to paint her house. The graph represents her savings.



Independent: _____

Dependent: _____

Discrete OR Continuous

y-intercept: _____

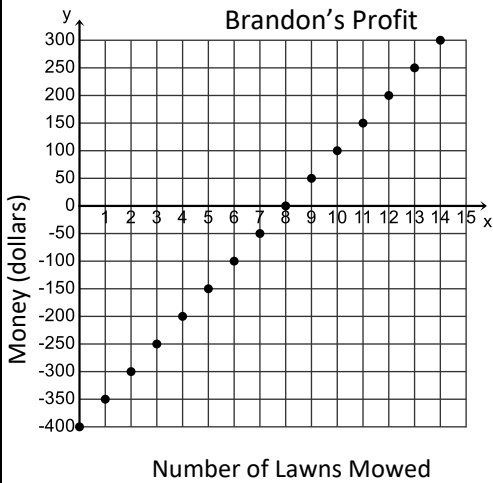
x-intercept: _____

Slope: _____

Domain: _____

Range: _____

9. Brandon started his own lawn mowing business. The graph represents his profit.



Independent: _____

Dependent: _____

Discrete OR Continuous

y-intercept: _____

x-intercept: _____

Slope: _____

Domain: _____

Range: _____

Use the following graph to answer 10-13.

10. Name the ordered pair at point C and explain what it represents.

11. Name the ordered pair at point D and explain what it represents.

12. Identify the Independent Variable:

Dependent Variable

13. Describe what is happening between points C and D.

