

## Independent and Dependent Variables Homework

### **Identify the independent and dependent variables in each situation.**

1) A small-size bottle of water costs \$1.99 and a large-size bottle of water costs \$3.49.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

2) An employee receives 2 vacation days for every month worked.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

3) Ice cream sales increase when the temperature rises.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

4) Food for the catered party costs \$12.75 per person.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

5) Michael charges \$7 per hour for yard work.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

6) The fire was very large, so many firefighters were there.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

7) The temperature of the water on the stove rose each minute.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

8) The restaurant bill was low because only a few meals were ordered.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

9) The cost of gift wrapping is \$2 per item wrapped.

Independent Variable: \_\_\_\_\_

Dependent Variable: \_\_\_\_\_

10) Which of the following relations is least likely to have an independent variable and a dependent variable?

- a) length of a side, area of a rectangle
- b) time spent practicing, performance in a game
- c) thickness of a book, number of pages in the book
- d) number of windows in a room, price of a window