SOL 8.17

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Course 3 Classwork

Complete each sentence of statement. Use the word back below.

**depend domain dependent variable**

**input output independent variable**

**range x-values y-values**

**z-values**

1) The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a relation is the set of all its

x-values.

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of a relation is the set of all its

y-values.

2) The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are input values. An input value is an

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Its value does not

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on anything else in the relation.

3) The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are output values. An output value is a

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Its value is dependent

on what \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ value is used.

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Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Course 3: Classwork

1. Determine the domain and range of a function

Directions: Given the following relations, identify the domain and range.

1) 2) x y

|  |  |
| --- | --- |
| x | y |
| -2 | 0 |
| -1 | 1 |
| 0 | 2 |
| 1 | 3 |
| 3 | 5 |
| 6 | 8 |

-3

0

4

7

6

0

8

14

Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Domain: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Determine the independent and dependent variable of a relationship.

Directions: Determine the independent and dependent variable in each relationship.

**1) Mary makes $6.00 each hour she babysits her brother.**

Number of hours Mary babysits: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Amount of money Mary makes: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2) Total calories, number of cookies**

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

**3) Total plant growth, number of days plant has been growing**

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