

Module 2 – Linear Functions and Their Graphs

Lesson 2 – Functions and Relations

Homework 1

Name _____

Answer each section.

Fill in the blanks

1. A _____ is a pairing between two variables in ordered pairs (x, y) .
2. The set of all second-coordinates or y -values of a relation is called the _____.
3. The _____ is the set of all first-coordinates or x -values of a relation.
4. A relation in which each value of the domain corresponds to exactly one value of the range is called a _____.

Determine whether the following relations are a function or not.

1. $\{(2, 3), (1, 2), (0, 4), (4, 6), (0, 3)\}$
- 2.

| | | | | | |
|---|----|----|-----|----|----|
| x | 11 | 12 | -10 | -9 | -8 |
| y | 4 | 5 | 6 | 7 | 8 |

- 3.

| | | | | | |
|---|----|----|----|----|----|
| x | -6 | -5 | -4 | -3 | -2 |
| y | 5 | 5 | 5 | 5 | 5 |

4. $\{(0, 5), (4, 4), (2, 5), (3, 5), (1, 6)\}$
- 5.

