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Section 3.2: Introduction to Functions

A **relation** is a set of ordered pairs of real numbers.

The **domain**, **D**, of a relation is the set of all first coordinates in the relation.

The **range**, **R**, of a relation is the set of all second coordinates in the relation.

Function

A **function** is a relation in which each domain element has exactly one corresponding range element.

Example 1: Find the domain and the range of each relation. Also determine whether the relation is a function.

a. {(1, 6), (2, 8), (0, 3), (0, -2)}

a. _____

b.

b. _____

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