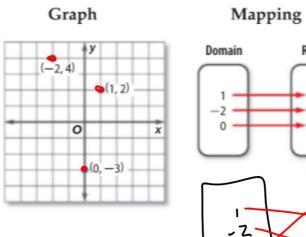
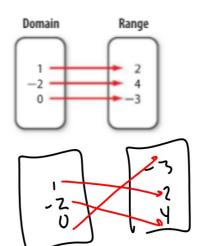


-3

0



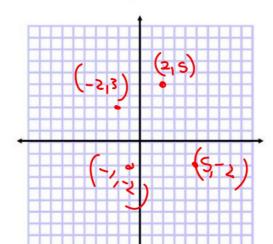


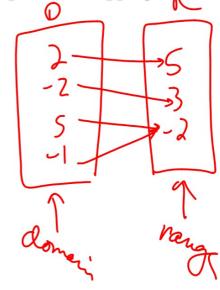
## **Example 1** Representations of a Relation



a. Express  $\{(2, 5), (-2, 3), (5, -2), (-1, -2)\}$  as a table, a graph, and a mapping.

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-2 S	3
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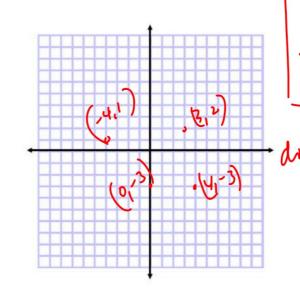
b. Determine the do

## **Guided**Practice

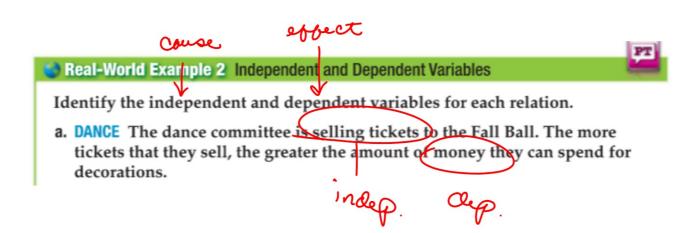
**1A.** Express  $\{(4, -3), (3, 2), (-4, 1), (0, -3)\}$  as a table, graph, and mapping.  $\bigcirc$ 

**1B.** Determine the domain and range.

4 3 -y 0	-3 2 1
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Which thing causes the other thing?

**b.** MOVIES Generally, the average price of going to the movies has steadily increased over time.

(indep dep)

year

Identify the independent and dependent variables for each relation.

**2A.** The air pressure inside a tire increases with the temperature.

2B. As the amount of rain decreases, so does the water level of the river.

Cause-indep. Train happens-dep Priver

## PT

## **Example 3** Analyze Graphs

The graph represents the distance Francesca has ridden on her bike. Describe what happens in the graph.



Describe what is happening in each graph.

3A. Driving to School



3B. Change in Income

