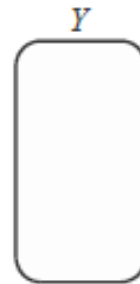
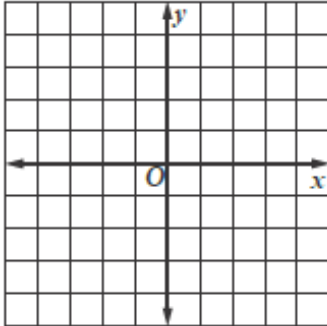


WS 4-2

Express each relation as a table, a graph, and a mapping. Then, determine the domain and the range.

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

x	y

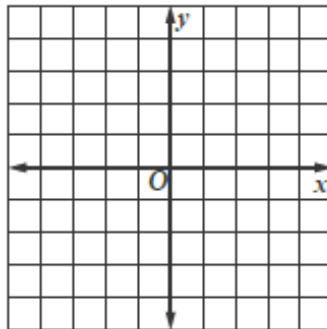


Domain:

Range:

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

x	y

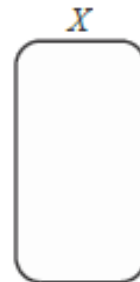
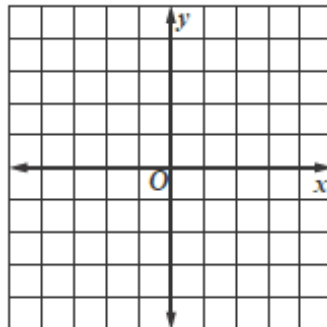


Domain:

Range:

3. $\{(4, -3), (1, 3), (7, -2), (2, -2), (1, 5)\}$

x	y



Domain:

Range:

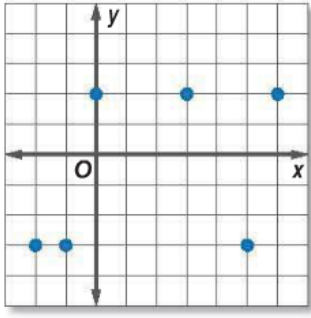
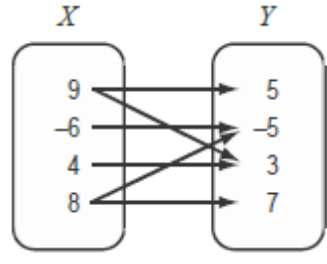
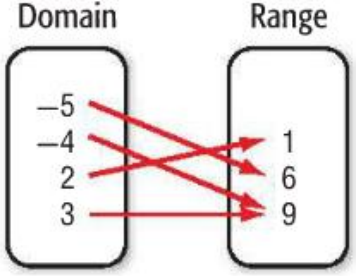
Identify the independent and dependent variable in each situation.

- The Spanish classes are having a fiesta lunch. Each student that attends is to bring a Spanish side dish or dessert. The more students that attend, the more food there will be.
- The faster you drive your car, the longer it will take to come to a complete stop.
- The more hours you work at a job, the larger your paycheck will be.

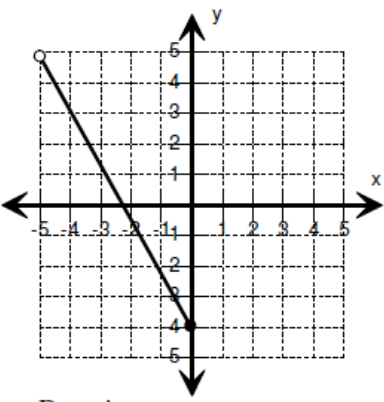
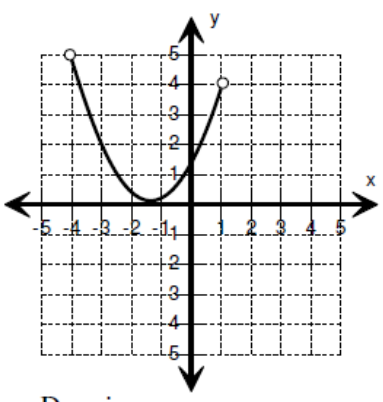
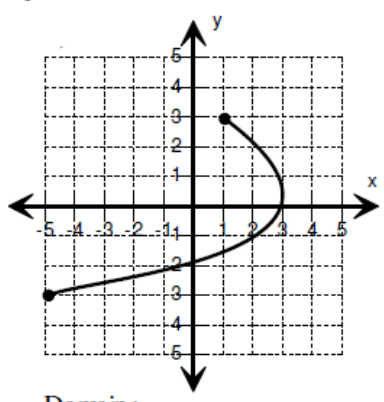
Identify the independent and dependent variable in each situation.

7. Increasing the temperature of a compound inside a sealed container increases the pressure.
8. As the amount of rain decreases, so does the water level of a river.
9. Julian is buying concert tickets. The more tickets he buys, the greater the cost.


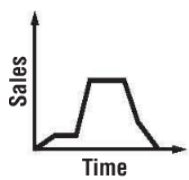
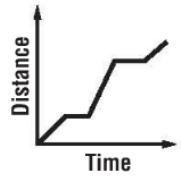
Express each relation as a set of ordered pairs.

<p>10.</p> 	<p>11.</p> 	<p>12.</p> 
--	--	--

Write the domain and range in interval notation.

<p>13.</p>  <p>Domain : _____</p> <p>Range : _____</p>	<p>14.</p>  <p>Domain : _____</p> <p>Range : _____</p>	<p>15.</p>  <p>Domain : _____</p> <p>Range : _____</p>
--	--	--

Describe what is happening in each graph.

<p>16. The graph represents the height of a bungee jumper.</p> 	<p>17. The graph shows the sales of lawn mowers.</p> 	<p>18. The graph represents the distance covered in a car ride.</p> 
--	---	---