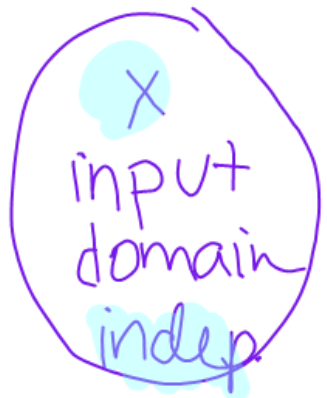


# Lesson 2-4

## Example 2: Identifying Domain and Range

Determine the domain and range of the relation.

$\{(0, 2), (1, 3), (2, 4), (3, 5), (4, 6)\}$   
 D: 0, 1, 2, 3, 4  
 R: 2, 3, 4, 5, 6



**REVIEW:** Determine if each relation represents a function.

<table border="1" style="margin: auto;"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>-5</td> <td>8</td> </tr> <tr> <td>-4</td> <td>3</td> </tr> <tr> <td>-6</td> <td>2</td> </tr> <tr> <td>-5</td> <td>8</td> </tr> </tbody> </table> <p>Not a function</p>	x	y	-5	8	-4	3	-6	2	-5	8	<p>yes, a function</p>
x	y										
-5	8										
-4	3										
-6	2										
-5	8										

<p> <math>y = 4x + 6</math>  <math>y = -2x - 9</math>  <math>y = mx + b</math> </p> <p>yes, a function</p>	<p> <math>\{(1, 2), (2, 3), (-2, 4), (1, 5), (6, 6)\}</math> </p> <table border="1" style="margin: auto;"> <thead> <tr> <th>x</th> <th>y</th> </tr> </thead> <tbody> <tr> <td>-2</td> <td>2</td> </tr> <tr> <td>1</td> <td>3</td> </tr> <tr> <td>2</td> <td>4</td> </tr> <tr> <td>6</td> <td>5</td> </tr> <tr> <td></td> <td>6</td> </tr> </tbody> </table> <p>Not a function</p>	x	y	-2	2	1	3	2	4	6	5		6
x	y												
-2	2												
1	3												
2	4												
6	5												
	6												

