

U9-3 Relations

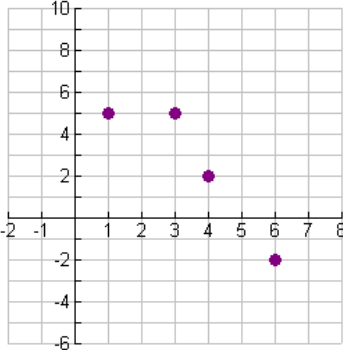
Relation:	<ul style="list-style-type: none"> • _____ <p>Ex1: _____</p> <p>Ex2: _____</p> <ul style="list-style-type: none"> • _____ <p>Ex 3: $\{(1, 2), (3, 4), (5, 6)\}$</p>
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Domain of a Relation:	$\{(1, 2), (3, 4), (5, 6)\}$
	Domain is: _____

Range of a Relation:	$\{(1, 2), (3, 4), (5, 6)\}$
	Range is: _____

What are the domain and range of each relation below?

<p>1) $\{(9, -3), (4, -2), (1, 1)\}$</p> <p>Domain (x): _____</p> <p>Range (y): _____</p>	<p>2) $\{(60, 130), (63, 135), (66, 145)\}$</p> <p>Domain (x): _____</p> <p>Range (y): _____</p>
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<p>3)</p> <p>List the ordered Pairs:</p> <div style="text-align: center;">  <p style="text-align: center; font-size: small;">Example 1</p> </div> <p>Domain(x): _____</p> <p>Range(y): _____</p>	<p>4)</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="color: blue;">x</th> <th style="color: blue;">y</th> </tr> </thead> <tbody> <tr> <td style="color: green;">8</td> <td style="color: green;">72</td> </tr> <tr> <td style="color: green;">-5</td> <td style="color: green;">-32</td> </tr> <tr> <td style="color: green;">-8</td> <td style="color: green;">-56</td> </tr> <tr> <td style="color: green;">3</td> <td style="color: green;">32</td> </tr> <tr> <td style="color: green;">-6</td> <td style="color: green;">-40</td> </tr> </tbody> </table> <p>Domain (x): _____</p> <p>Range (y): _____</p>	x	y	8	72	-5	-32	-8	-56	3	32	-6	-40
x	y												
8	72												
-5	-32												
-8	-56												
3	32												
-6	-40												

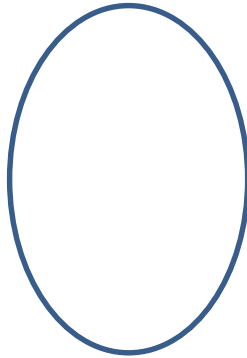
Mapping:

- A way to show the _____

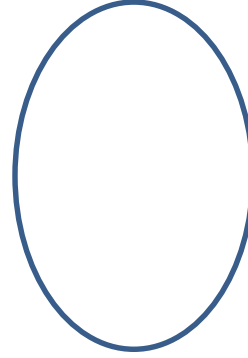
- The _____ gets _____ to its
_____.

Map the Relation: $\{(1, 2), (3, 4), (5, 6)\}$

Domain
(x-values)



Range
(y-values)

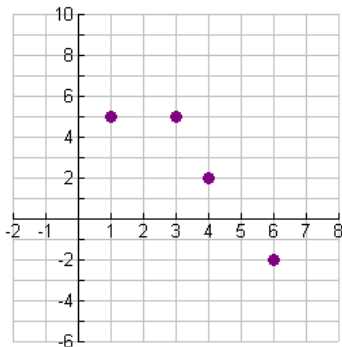


Draw a mapping for the following.

5) $\{(0,1), (1,3), (2,5), (3,7), (4,9)\}$

6) $\{(9, -3), (4, -2), (1,1)\}$

7)



Example 1

8) $\{(9, -3), (9, -2), (9,1), (9, 4)\}$