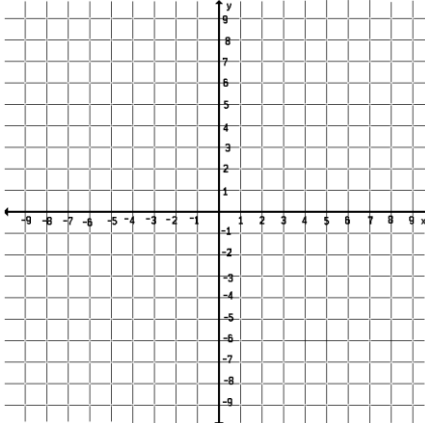


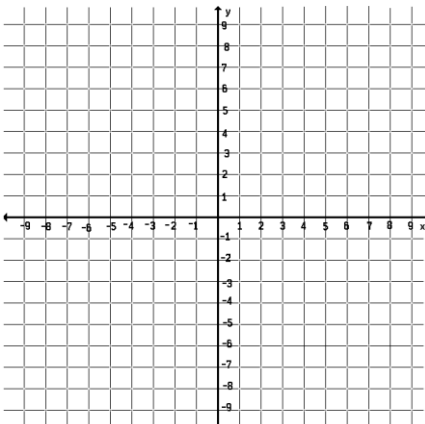
Translating Functions

Directions: For each problem, translate the function into each of the other types of representations.

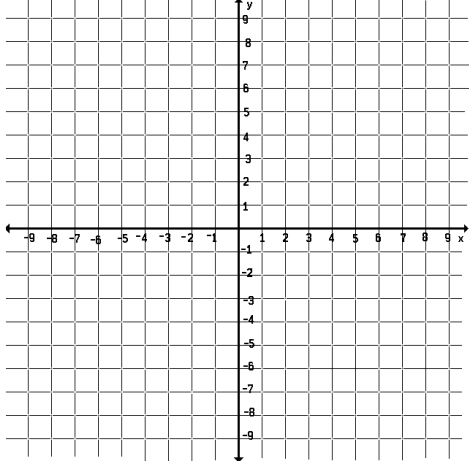
1)

Verbal	Equation (Rule)	Mapping Diagram	Ordered Pairs										
Table	Graph		Domain (x-values): Range (y-values):										
<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="padding: 5px;">Input (x)</th> <th style="padding: 5px;">Output (y)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; padding: 5px;">-1</td> <td style="text-align: center; padding: 5px;">-3</td> </tr> <tr> <td style="text-align: center; padding: 5px;">1</td> <td style="text-align: center; padding: 5px;">3</td> </tr> <tr> <td style="text-align: center; padding: 5px;">2</td> <td style="text-align: center; padding: 5px;">6</td> </tr> <tr> <td style="text-align: center; padding: 5px;">3</td> <td style="text-align: center; padding: 5px;">9</td> </tr> </tbody> </table>	Input (x)	Output (y)	-1	-3	1	3	2	6	3	9			
Input (x)	Output (y)												
-1	-3												
1	3												
2	6												
3	9												

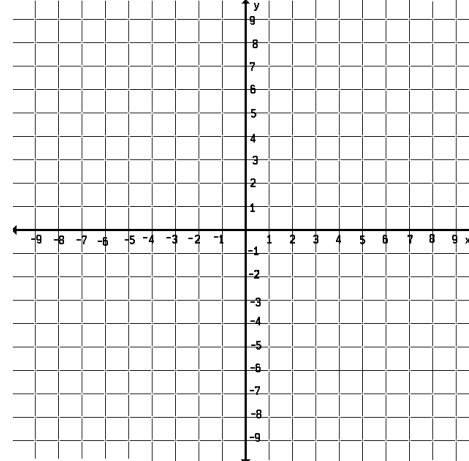
2)

Verbal	Equation (Rule)	Mapping Diagram	Ordered Pairs
Multiply by two and subtract 1			
Table	Graph		Domain (x-values): Range (y-values):
			

3)

Verbal	Equation (Rule) $y = x + 2$	Mapping Diagram	Ordered Pairs
Table	Graph 		Domain (x-values): Range (y-values):

4)

Verbal	Equation (Rule)	Mapping Diagram	Ordered Pairs $\{(3, -1), (2, -2), (1, -3), (5, 1)\}$
Table	Graph 		Domain (x-values): Range (y-values):