

# MasterMath

## Domain and Range of a Function

Name \_\_\_\_\_

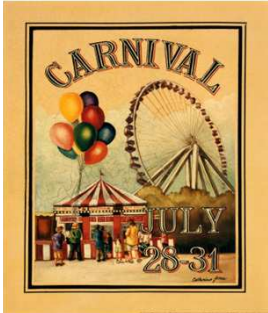
Date \_\_\_\_\_

### 1. Please convert the equation to a Function

Equation	Function
$2x + 3y = 63$	
$y - 5x = 17$	
$64 + y = 3x$	
$2y + 3x = 12$	

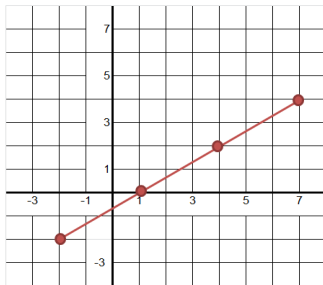
Equation	Function
$6x + 3y = 9$	
$18 = y - x$	
$12x = y - 32$	
$10y - 39x = x + 6$	

2. You have \$40 to spend on your evening with a friend at the Carnival. You want to buy some ride tickets ( $y$ ) and also some food tickets ( $x$ ). The ride tickets are \$4 each. The food tickets are \$6 each. What is the domain and the range of the tickets you could purchase?



Domain	Range

3. Find the Domain and the Range of the function represented in this graph.



Domain	Range

4. Find the Domain and Range of the the function represented by this table.

hats ( $x$ )	4	3	2	1
belts ( $y$ )	10	8	6	4

Domain	Range

5. You have exactly one hour to play games on your computer. You want to play some chess ( $x$ ) and a chess game lasts 20 minutes. You also want to play some backgammon ( $y$ ), and a backgammon game lasts 10 minutes. Write a function to represents the number of each game that you could play. Then determine the domain and range.

function	domain	range