

Function Machine Assignment

Name: _____ Date: _____ :Period: _____

Define the word function:

Define the word coordinate pair:

Fill in the tables with four different sets of numbers that work for the given functions.

<table border="1"><tr><td style="text-align: center;">x</td></tr><tr><td style="text-align: center;">$y = 2x + 5$</td></tr></table>	x	$y = 2x + 5$	<table border="1"><thead><tr><th style="text-align: center;">x</th><th style="text-align: center;">y</th></tr></thead><tbody><tr><td style="height: 100px;"></td><td></td></tr></tbody></table>	x	y		
x							
$y = 2x + 5$							
x	y						

<table border="1"><tr><td style="text-align: center;">x</td></tr><tr><td style="text-align: center;">$y = (9/5)x + 32$</td></tr></table>	x	$y = (9/5)x + 32$	<table border="1"><thead><tr><th style="text-align: center;">x</th><th style="text-align: center;">y</th></tr></thead><tbody><tr><td style="height: 100px;"></td><td></td></tr></tbody></table>	x	y		
x							
$y = (9/5)x + 32$							
x	y						

x = Celsius
y = Fahrenheit

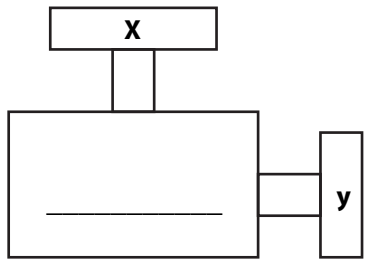
<table border="1"><tr><td style="text-align: center;">x</td></tr><tr><td style="text-align: center;">$y = 100(x/48)$</td></tr></table>	x	$y = 100(x/48)$	<table border="1"><thead><tr><th style="text-align: center;">x</th><th style="text-align: center;">y</th></tr></thead><tbody><tr><td style="height: 100px;"></td><td></td></tr></tbody></table>	x	y		
x							
$y = 100(x/48)$							
x	y						

x = points scored on a test
y = percentage on the test

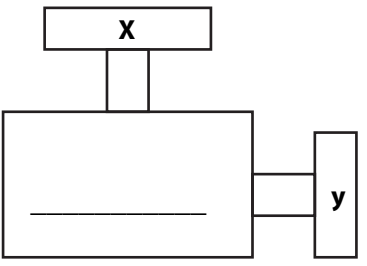
<table border="1"><tr><td style="text-align: center;">x</td></tr><tr><td style="text-align: center;">$y = x/4 + 1$</td></tr></table>	x	$y = x/4 + 1$	<table border="1"><thead><tr><th style="text-align: center;">x</th><th style="text-align: center;">y</th></tr></thead><tbody><tr><td style="height: 100px;"></td><td></td></tr></tbody></table>	x	y		
x							
$y = x/4 + 1$							
x	y						

x = number of people at a party
y = number of pizzas needed for the party

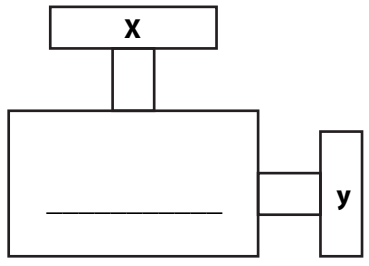
State what the unknown function is in each situation.



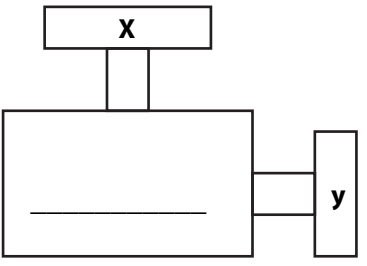
x	y
1	3
3	5
7	9
10	12



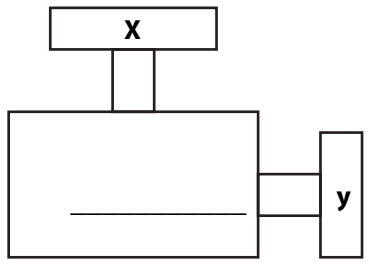
x	y
2	6
5	15
6	18
13	39



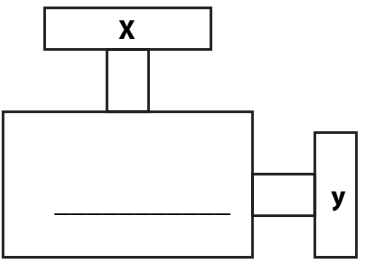
$(3, -6)$
 $(5, -10)$
 $(-3, 6)$
 $(0, 0)$



$(2, 2)$
 $(3, 3)$
 $(17, 17)$
 $(22, 22)$



x	y
4	12
5	14
6	16
19	32



$(2, 6)$
 $(5, 8)$
 $(7, 12)$
 $(11, 20)$