Homework

Activity 1

In each of the statements, tell what part of the statement depends on another part.

1. Patricia makes $7 per hour for pulling weeds. _____ depends on _____

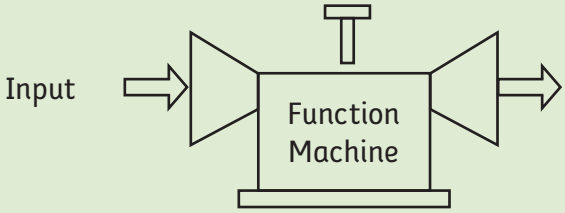
2. The cost of gas is $5 per gallon. _____ depends on _____

3. The heavier rocks are harder to move. _____ depends on _____

Activity 2

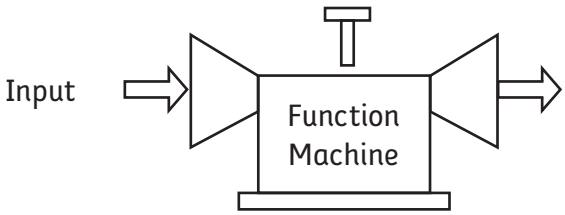
Look at the function machines and their inputs and outputs. Tell the relationship each one represents.

Model The input minus 4 equals the output.



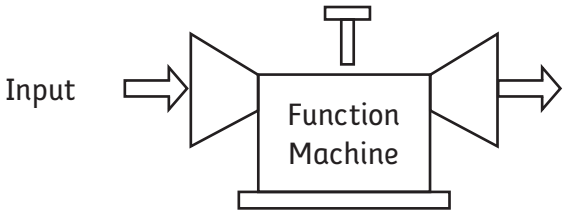
Input	Output
9	5
77	73
44	40
520	516
4	0

1. The input _____ equals the output.



Input	Output
1	2
3	4
15	16
501	502
999	1,000

2. The input _____ equals the output.



Input	Output
2	4
3	6
4	8
100	200
50	100

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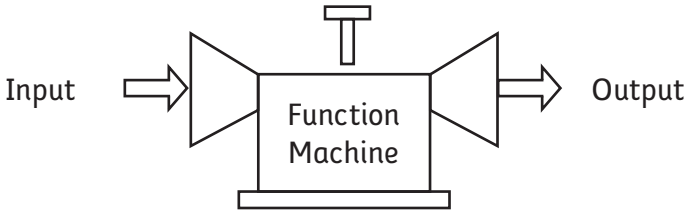
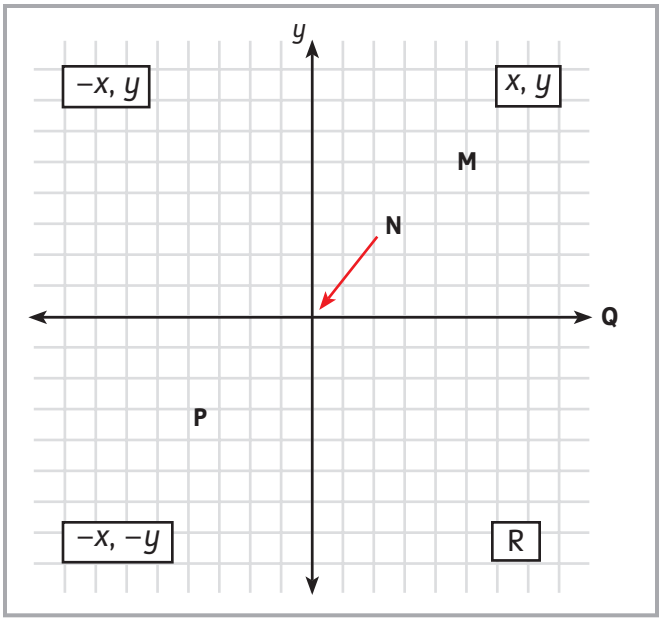
3. The input _____ equals the output.



Input	Output
99	9
88	8
11	1
22	2
33	3

Activity 3

Identify the parts of the coordinate grid by selecting the word or phrase that describes it. Write a, b, or c on your paper.



1. The section of the graph labeled **M** is called:
   (a) Quadrant III
   (b) Quadrant I
   (c) the origin

2. The section of the graph labeled **N** is called:
   (a) $(x, -y)$
   (b) Quadrant I
   (c) the origin

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3. The part of the graph that is labeled **R** should say:
   (a) $(x, -y)$
   (b) Quadrant I
   (c) the x-axis

4. The section of the graph labeled **P** is called:
   (a) Quadrant III
   (b) Quadrant I
   (c) the origin

5. The section of the graph labeled **Q** is called:
   (a) $(x, -y)$
   (b) Quadrant I
   (c) the x-axis

Activity 4 • Distributed Practice

Solve.

1. $9 = 3x$
2. $2x + 3 = 7$
3. $3(x + 2) = 15$
4. $3x + 2x + 1 = 26$
5. $36 + 2x = 4 + 6x$
6. $-54 = -9x$
7. $-2x + 5 = -x + -2$
8. $x + 10 = 20$