

Model each situation with a function rule. Define your variables.

1. The number of shots Susan makes is a function of how many shots she takes. She makes 70% of her shots.

EQ:

Variables:

2. Yolanda's monthly paycheck includes her \$1200 salary plus 5% of her total sales for that month.

EQ:

Variables:

3. Hussein's business mails out coupons to houses in the city. It costs him \$.39 for each envelope mailed.

EQ:

Variables:

4. Write a function rule for the data in each table.

a)

X	Y
-5	18
-2	7.2
0	0
7	-25.2
11	-39.6

$y =$

b)

X	Y
-3	1.5
-1	3.5
2	6.5
5	9.5
7	11.5

$y =$

c)

X	Y
-4	29
-3	25
-1	17
0	13
2	5

$y =$

Model each situation with a function rule. Define your variables.

1. The number of shots Susan makes is a function of how many shots she takes. She makes 70% of her shots.

EQ:  $M = .70T$

Variables:  $M = \# \text{ shots made}$   
 $T = \# \text{ shots taken}$

2. Yolanda's monthly paycheck includes her \$1200 salary plus 5% of her total sales for that month.

EQ:  $P = 1200 + .05T$

Variables:  $P = \text{monthly pay}$   
 $T = \text{TOTAL monthly sale}$

3. Hussein's business mails out coupons to houses in the city. It costs him \$.39 for each envelope mailed.

EQ:  $C = 0.39E$

Variables:  $C = \text{TOTAL COST FOR MAIL}$   
 $E = \# \text{ ENVELOPES MAILED}$

4. Write a function rule for the data in each table.

a)

X	Y
-5	18
-2	7.2
0	0
7	-25.2
11	-39.6

$y = -3.6x$

b)

X	Y
-3	1.5
-1	3.5
2	6.5
5	9.5
7	11.5

$y = x + 4.5$

c)

X	Y
-4	29
-3	25
-1	17
0	13
2	5

$y = -4x + 13$

Before +13

16

12

4

0

-8