

Representing Relationships

- ① The chart below shows the money you earned working at Target based on the number of hours worked.

<u>hours worked</u>	<u>\$ earned</u>
2	18
4	36
10	90
12	108

- a) write an equation to find the amount of money you will earn based on the number of hours worked. Let $p = \$ \text{earned}$ &
 $t = \text{number of hours worked}$
- b) Use the equation to find the amount of money you earned after working 30 hours.

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② You pay \$5 per hour to rent a bike plus a one time insurance fee of \$10.

a) write an equation to find the amount of money you will pay to rent a bike (m) if you rent it for h hours.

b) Use the equation to construct a chart (table) to find the amount of money you paid after renting the bike for 2, 3 & 4 hours.

Answers

① a) $p = 9t$

b) $p = \$270.00$

② a) $m = 5h + 10$

b)

h	m
2	\$20
3	\$25
4	\$30