

**4-5 Writing a Function Rule**

Write a function rule that represents each situation:

1.  $y$  is 9 less than the quotient of 6 and  $x$

2. 3 less than four sevenths of  $x$  is  $y$

3. The time ( $T$ ) run by a cross-country runner (in minutes) is a function of the number of laps ( $L$ ) run on the track, at the rate of 1.75 minutes per lap.

4. The cost ( $C$ ) of a concrete pump is \$75 per hour ( $h$ ) plus a \$100 one-time fuel charge.

5. Write a function rule for the area ( $A$ ) of a rectangle with a height that is 1 more than triple its base ( $b$ ).