Math 1- Creating & Solving Equations   Name:_____ Per:__
Study Problems #12
Write an equation for each description.

1) The sum of 14 and a number is equal to 17.

2) A number increased by 10 is 114.

3) The difference between a number and 12 is 20.

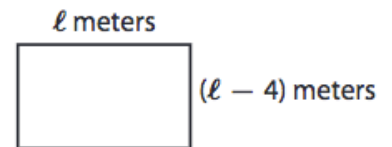4) Ten times the sum of half a number and 6 is 8.

5) Tammy wants to raise $175 for a school fundraiser. She has raised $120 so far. How much more does she need to reach her goal?

6) Hector is visiting a cousin who lives 350 miles away. He has driven 90 miles. How many more miles does he need to drive to reach his cousin's home?

7) The length of a rectangle is twice its width. The perimeter of the rectangle is 126 feet.

8) The perimeter of a parallelogram is 72 meters. The width of the parallelogram is 4 meters less than its length. Find the length and the width of the parallelogram.

ℓ meters

$(\ell - 4)$ meters

9) George's page contains twice as many typed words as Bill's page and Bill's page contains 50 fewer words than Charlie's page. If each person can type 60 words per minute, after one minute, the difference between twice the number of words on Bill's page and the number of words on Charlie's page is 210. How many words did Bill's page contain initially? Use a table to organize the information

	Initial number of words	Total number of words after one minute
George		
Charlie		
Bill		