Answer on Question #48891 – Math – Algebra

Harry's room is rectangular and has walls of length 2x x + 3. Given that Harry's room has a perimeter of 18 meters. What is x and the equation ax+b=c?

Solution.

Perimeter of rectangular is

$$P = 2x * 2 + (x + 3) * 2 = 6x + 6 = 18 \text{ ,}$$
$$equation \; 6x + 6 = 18 \;\rightarrow 6x = 18 - 6 \;\rightarrow 6x = 12 \;\rightarrow\; x = 2.$$

Answer: 2; $6x + 6 = 18$.