

Name: _____

1. Solve the following equations. Format your answers such that they are presentable.

(a) $5x + x = 81$

Answer: _____

(b) $x + 6x + 3x = 9x + 9$

Answer: _____

(c) $7x - x = 6x - x$

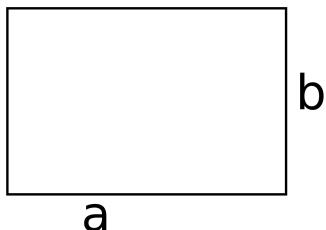
Answer: _____

(d) $12x - x = 121$

Answer: _____

2. A 32cm wire is bent into a rectangle. The width of the rectangle is 2 cm shorter than its length. Find the width and length of the rectangle.

Hint: The length of the wire is the perimeter of the rectangle, which is $2(a + b)$, a and b are indicated in the figure.



Answer: _____