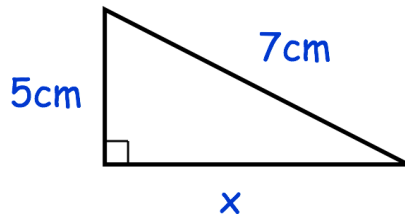
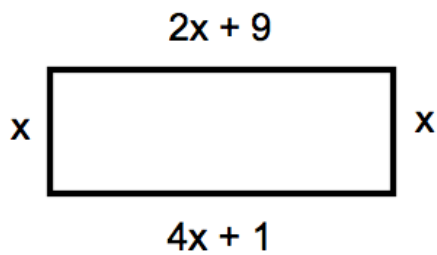


Find x 

A rectangle is shown below.

Explain why $4x + 1 = 2x + 9$ Solve the equation above to find the size of x .

Work out the area of the rectangle.

Write down the exact value of $\sin 30^\circ$ Write down the exact value of $\tan 45^\circ$

$$\mathbf{a} = \begin{pmatrix} 12 \\ -8 \end{pmatrix} \quad \mathbf{b} = \begin{pmatrix} -5 \\ 6 \end{pmatrix}$$

Work out $3\mathbf{a} - \mathbf{b}$ as a column vector