

7th April



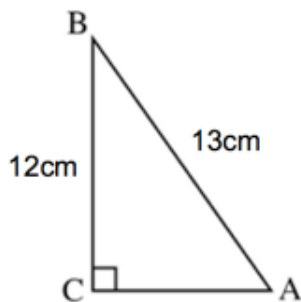
Corbettmaths

Expand and simplify

$$(w + 4)(w + 9)$$

$c = 250$  when rounded to the nearest ten.

Write an inequality to show the interval in which the actual value for  $c$  lies.



Find the size of angle ABC.

Matthew is training for a race.  
He runs 3 days in one week.

Matthew runs  $1\frac{1}{2}$  miles on Monday.  
Then he runs  $1\frac{2}{3}$  miles on Thursday.  
Finally he runs  $2\frac{1}{5}$  miles on Sunday.

Work out how far Matthew ran in total.

$$a = \begin{pmatrix} 3 \\ -1 \end{pmatrix} \quad b = \begin{pmatrix} 1 \\ -2 \end{pmatrix}$$

Work out  $3a + 3b$