



Solve

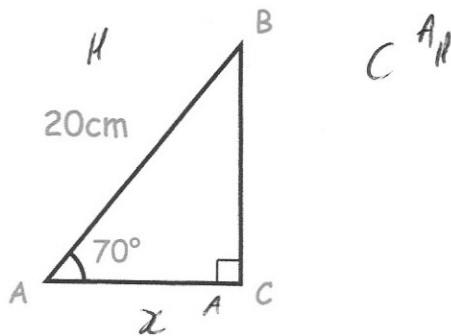
$$\frac{4(x-2)}{3} = 5 - 2x$$

$$4x - 8 = 15 - 6x$$

$$10x = 23$$

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$$x = 2.3$$



Find the length of side AC.

$$\cos(70) \times 20$$

$$6.84 \text{ cm}$$

Solve the simultaneous equations

$$2x - 5y = 1 \quad \times 3 \quad 6x - 15y = 3$$

$$8x + 3y = 73 \quad \times 5 \quad 40x + 15y = 365$$

$$\hline 46x = 368$$

$$x = 8$$

$$16 - 5y = 1$$

$$y = 3$$

Find the volume of a piece of wood that has a mass of 600g and density of 0.75 g/cm^3

$d^m v$

$$\frac{600}{0.75} = 800 \text{ cm}^3$$

A number, c , has been rounded to two decimal places.

The answer is 0.74

Write down the error interval for c .

$$0.735 \leq c < 0.745$$