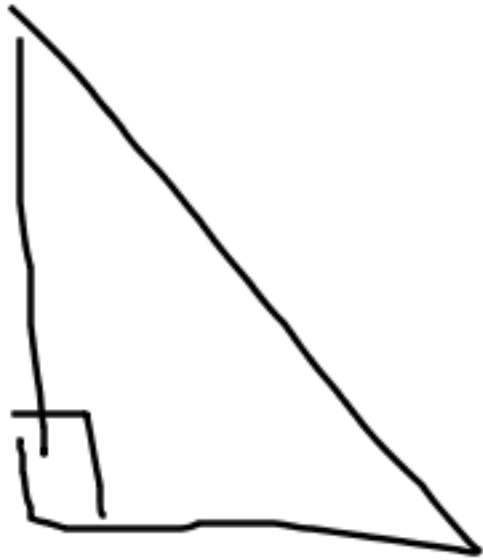


1) SOHCAHTOA

- right angle triangle

* Pythagorean Ther.



2) Sine Law

- an angle

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

solving
sides

$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

solving
angles

* Cosine law $\Rightarrow$ no matching pair

$$a^2 =$$

$$b^2 =$$

$$c^2 =$$

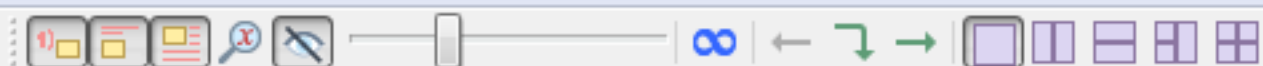
} Solving
sides

$$\cos A =$$

$$\cos B =$$

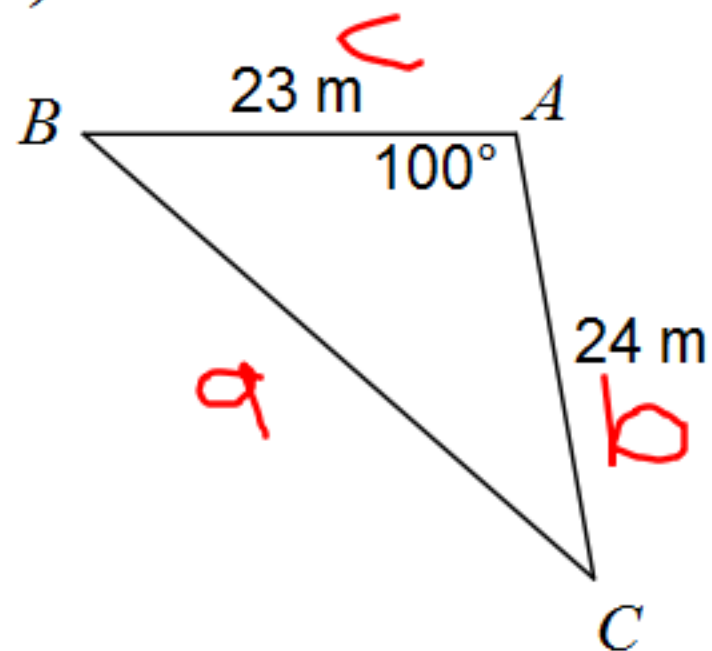
$$\cos C =$$

} solving
angles



Find each measurement indicated. Round your answers to the nearest tenth.

1) Find BC



$$a^2 = b^2 + c^2 - 2bc(\cos A)$$

$$a^2 = 24^2 + 23^2 - [2(24)(23)(\cos 100^\circ)]$$

$$a^2 = 576 + 529 - [-191.7]$$

$$a^2 = 576 + 529 + 191.7$$

$$a = \sqrt{1296.7}$$

$$a = 36 \text{ m}$$