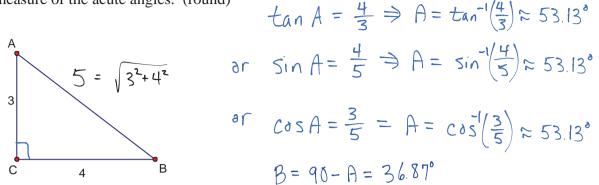
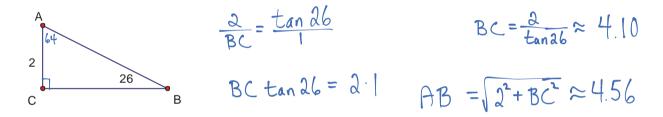
Given the lengths of two sides of a right triangle, find the length of the other side and the measure of the acute angles. (round)



Given one side and one angle, find the other sides and the measure of the other acute angle.



Solve the right triangle. Round decimals to the nearest tenth.

$$R = \frac{s}{15}$$

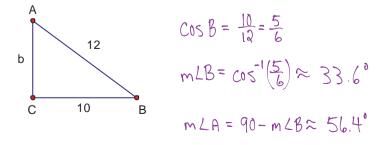
$$r = 15 \sin 20 \approx 5.13$$

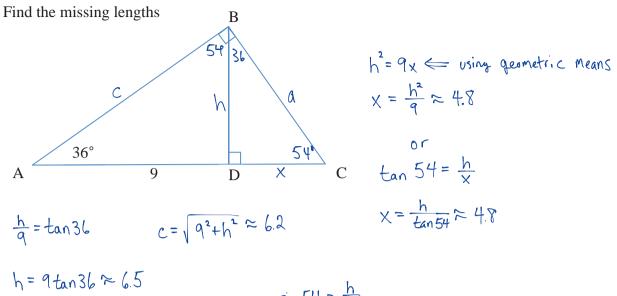
$$r = 15 \sin 20 \approx 5.13$$

$$\frac{5}{15} = \cos 20 \quad \text{or} \quad 5^2 + r^2 = 15^2$$

$$s = 15 \cos 20 \approx 14.1 \quad s = \sqrt{15^2 - r^2} \approx 14.1$$

Solve the right triangle. Round decimals to the nearest tenth.





$$\sin 54 = \frac{h}{a}$$
$$a = \frac{h}{\sin 54} \approx 8.1$$