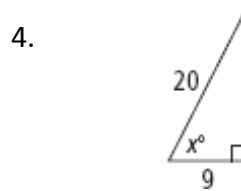
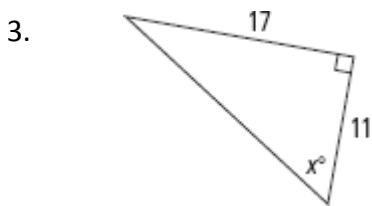
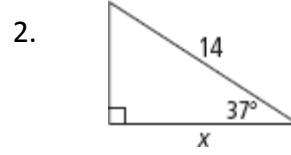
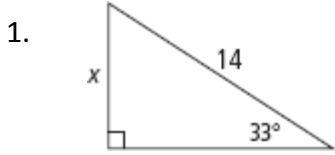
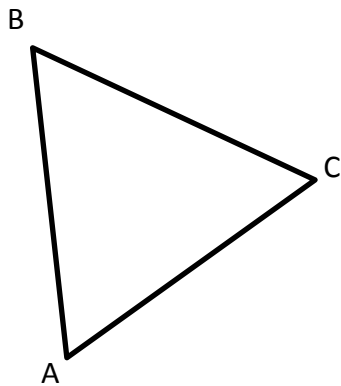


Remembering your trigonometry and $S\frac{o}{h}$, $C\frac{a}{h}$, $T\frac{o}{a}$ solve the following problems:



5. Complete each triangle (all sides and angles) using the law of sines: $\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$



- $m\angle A = 51^\circ$
- $m\angle B = \underline{\hspace{2cm}}$
- $m\angle C = 67^\circ$
- $a = \underline{\hspace{2cm}}$
- $b = 15 \text{ cm}$
- $c = \underline{\hspace{2cm}}$

6. Given $m\angle C = 64^\circ$, $a = 10 \text{ cm}$, $b = 9 \text{ cm}$, solve for c using the law of cosines, $a^2 = b^2 + c^2 - 2bccosA$.

