

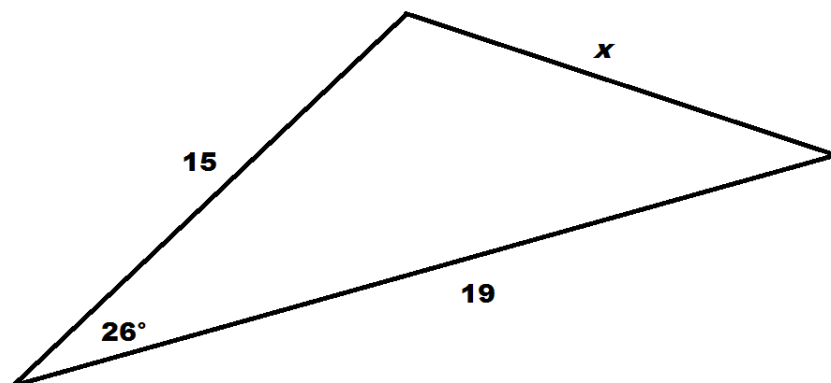
Name _____

IB Math Applications Date _____

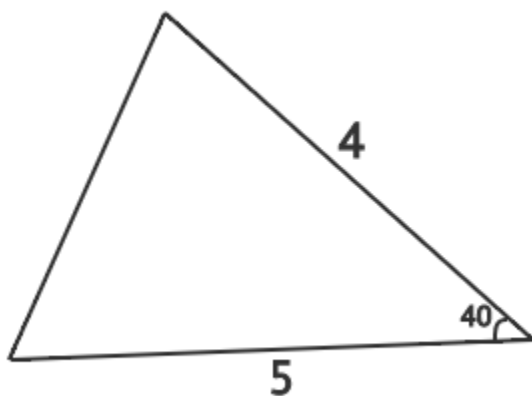
6.5- Trig Identities: Cosine Rule

Find the missing values using the cosine rule

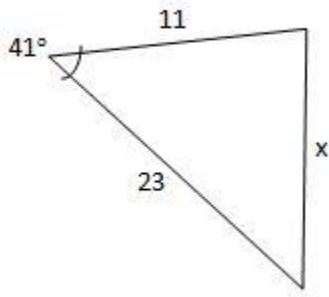
Problem #1



Problem #2 - Find the missing side

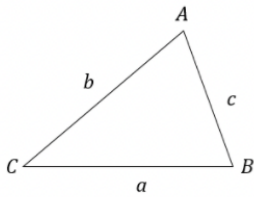


Problem #3



Problem #4

In the triangle below, $a = 22$, $b = 17$, and $c = 15$. Find the measure of $\angle A$ to the nearest tenth.



Problem #5

In the triangle below, $m\angle B = 55^\circ$, $a = 11$ meters, and $c = 7$ meters. What is the length of b , to the nearest tenth of a meter?

