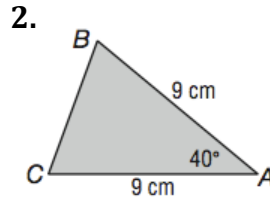
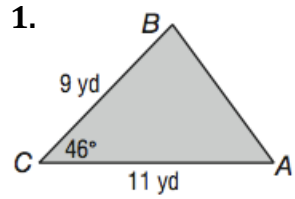


Algebra 2
12.4 Homework

Name: _____

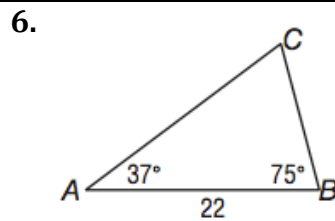
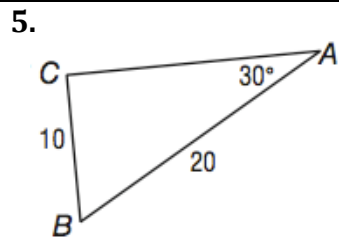
Find the area of to the nearest hundredth, if necessary.



3. $C = 32^\circ$, $a = 12.6m$, $b = 8.9m$

4. $A = 17.4^\circ$, $b = 12yds$, $c = 14yds$

Solve each triangle. Round side lengths to the nearest hundredth and angle measure to the nearest degree.



7. $A=72^\circ$, $a=8$, $c=6$

8. $A=30^\circ$, $a=3$, $b=4$

9. $A=56^\circ$, $B=38^\circ$, $a=12$

10. $A=80^\circ$, $C=14^\circ$, $a=40$

11. In Hawaii, the distance from Hilo to Kailua is 57 miles, and the distance from Hilo to Captain Cook is 55 miles and the angle at Captain Cook is 80° .

a. What is the measure of the angle formed at Kailua?

b. What is the distance between Kailua and Captain Cook?