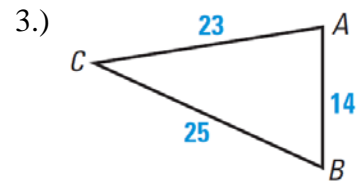
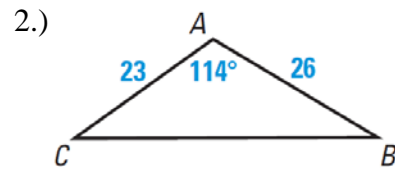
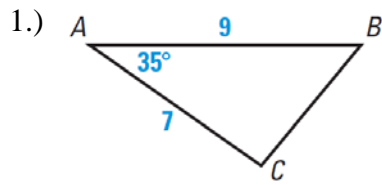


Lesson 13.6 Worksheet

Name: _____

Solve $\triangle ABC$. Round answers to the nearest tenth.



4.) $A = 103^\circ$, $b = 15$, $c = 24$

5.) $a = 38$, $b = 31$, $c = 35$

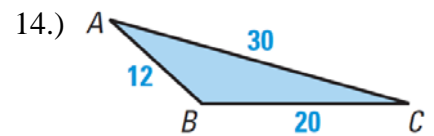
6.) $B = 63^\circ$, $a = 29$, $c = 38$

7.) $a = 23$, $b = 24$, $c = 20$

Find the area of $\triangle ABC$. Round answers to the nearest tenth.

12.) $a = 31, b = 23, c = 17$

13.) $a = 43, b = 59, c = 48$



Solve $\triangle ABC$.

15.) $B = 21^\circ, b = 17, c = 32$

Use the given point on the terminal side of an angle θ in standard position to evaluate the six trigonometric functions of θ .

16.) $(6, -2)$

Evaluate the function WITHOUT USING A CALCULATOR.

17.) $\tan \frac{8\pi}{3}$

18.) $\sin(-840^\circ)$

19.) $\sec\left(-\frac{15\pi}{4}\right)$

Evaluate the expression. Give your answer in both radians and degrees.

20.) $\sin^{-1} -1$

21.) $\tan^{-1} \frac{\sqrt{3}}{3}$

22.) $\cos^{-1} \left(-\frac{\sqrt{2}}{2}\right)$

23.) $\cos^{-1} \frac{1}{2}$