Name: _____ Period: _____

Trigonometry Test #2 Review Sheet

Radians & Degrees

Directions: Give each degree measure in radians and radian measure in degrees.		
1. 165°	**2.** -54°	**3.** 243°
4. $\frac{9\pi}{5}$	**5.** $-\frac{13\pi}{20}$	**6.** $-\frac{4\pi}{45}$

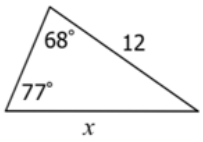
The Unit Circle

7. Which trigonometric functions are negative in quadrant IV?	**8.** If $cos\theta < 0$ and $sin\theta < 0$, which quadrant(s) could the terminal side of θ lie?	
Directions: Give the exact value of each trigonometric function.		
9. sin 45	**10.** cos 135	**11.** tan 330
12. cos 90	**13.** tan 60	**14.** sin 210
15. tan 150	**16.** sin 270	**17.** cos 300

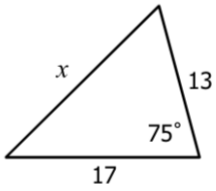
Law of Sines & Cosines

Directions: Find each missing measure to the nearest tenth.

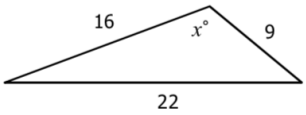
18.



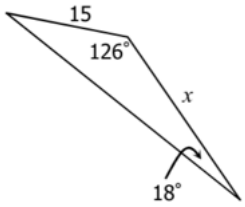
19.



20.



21.



Directions: Solve each triangle. Round all answers to the nearest tenth.

22. In ΔABC, $m\angle A = 40^\circ$, $AB = 26$, and $BC = 20$. Find $m\angle C$.

23. In ΔPQR, $m\angle P = 53^\circ$, $PQ = 16$, and $QR = 10$. Find $m\angle Q$.

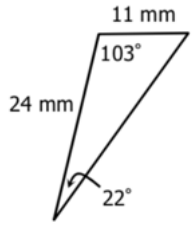
24. In ΔXYZ, $m\angle X = 96^\circ$, $XZ = 15$, and $XY = 24$. Find YZ.

25. In ΔJKL, $m\angle L = 113^\circ$, $JK = 21$, and $JL = 10$. Find $m\angle K$.

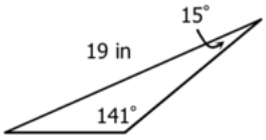
Area of a Triangle

Directions: Find the area of each triangle to the nearest tenth.

26.



27.



28.