PRECALCULUS **REVIEW FOR TEST 4.1 – 4.4 DAY 2**

Name: _____ **Period:** _____

1. Convert -160º to radian measure.

2. Convert $\frac{7\pi}{10}$ to degree measure.

3. Convert $-220°56'15''$ to decimal degree form.

4. Find the quadrant that contains the terminal side of an angle in standard position with measure 265º.

5. Find the exact value of the six trigonometric functions for $t = \frac{11\pi}{6}$.

6. Find the exact value of the six trigonometric functions for $t = \frac{\pi}{2}$ and $t = \frac{3\pi}{2}$.

7. Evaluate the six trigonometric functions for $t = -\frac{2\pi}{9}$ to 4 decimal places. CALCULATOR!!!!

8. Evaluate the six trigonometric functions for $t = 340°$ to 4 decimal places. CALCULATOR!!!!

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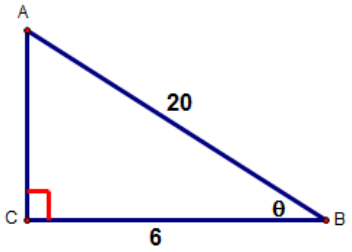
9. Convert 135.240° to $D°M'S''$ form (to the nearest second) CALCULATOR!!!!

10. Using the diagram shown, find the **exact value** for the 6 trig functions of the angle θ.



11. Sketch and find the reference angle θ' if:

a) $\theta = \frac{8\pi}{15}$ b) $\theta = -215°$

12. Find the point (x, y) on the **unit circle** which corresponds to the real number $t = \frac{7\pi}{6}$. Include sketch.

13. Sketch the angle $-\frac{13\pi}{9}$ in standard position.
Give one *positive* and one *negative* coterminal angle (in terms of π).

14. The point (3, -2) is on the terminal side of an angle in S.P. *(standard position)*.
Find the **exact values** of the 6 trigonometric functions of the angle.

15. Find two values of θ where $\sec\theta = -2$ and $0° \le \theta < 360°$.