Secondary 2H **Name**_____ **Desk** _____

Unit 9 **Trig Functions of Acute/Obtuse Angles REVIEW**

**** Canvas Quiz due on Friday**** **Score** _____

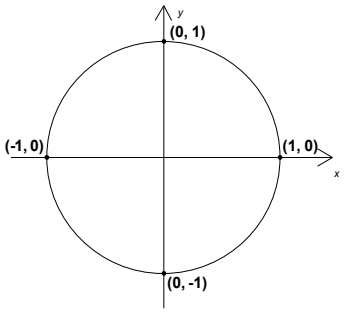
Evaluate the following acute angles without a calculator. (HINT: these should be memorized.)

1. $\sin 30°$ 2. $\tan 60°$ 3. $\cos 30°$ 4. $\csc 60°$

Find θ without a calculator.

5. $\sin\theta = \frac{\sqrt{3}}{2}$ 6. $\cos\theta = \frac{\sqrt{2}}{2}$

Use the unit circle to evaluate the following.



7. $\sin 180°$ 8. $\cos 90°$

9. $\sin 270°$ 10. $\tan 90°$

Evaluate the following obtuse angles without a calculator.

11. $\sin 480°$ 12. $\cos 585°$ 13. $\tan -405°$

Find a positive and a negative coterminal angle of the following angle.

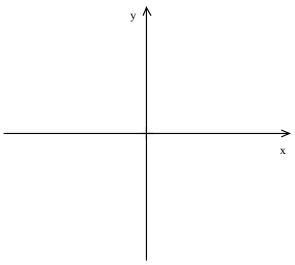
14. $30°$ 15. $-570°$

positive coterminal angle: _____ positive coterminal angle: _____

negative coterminal angle: _____ negative coterminal angle: _____

Let θ be the acute angle in standard position whose terminal side contains the given point. Find the six trigonometric functions of θ. (HINT: find the hypotenuse).

16. $(-5,12)$



$\sin\theta =$ _____ $\csc\theta =$ _____

$\cos\theta =$ _____ $\sec\theta =$ _____

$\tan\theta =$ _____ $\cot\theta =$ _____