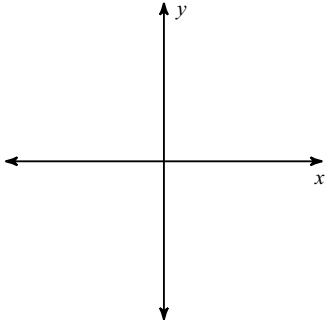


Ch 9 Practice Test

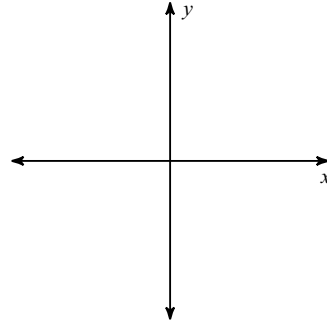
Date _____ Period _____

Draw an angle with the given measure in standard position and find TWO coterminal angles

1) -300°



2) $-\frac{8\pi}{9}$

**Convert each degree measure into radians and each radian measure into degrees.**

3) 615°

4) $\frac{15\pi}{4}$

Find the exact value of each trigonometric function (Note: This will be the no calculator/notecard portion of the test)

5) $\tan -30^\circ$

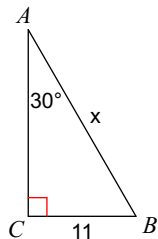
6) $\sin 225^\circ$

7) $\sec \frac{2\pi}{3}$

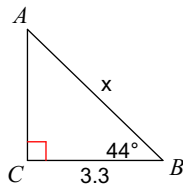
8) $\tan 0^\circ$

Find the measure of each side indicated. Round to the nearest tenth.

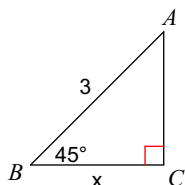
9)



10)



11)



Find the value of the trig function indicated.

12) Find $\cot \theta$ if $\sin \theta = \frac{\sqrt{10}}{10}$

13) Avery spots a bird in a tree at an angle of elevation of 23 degrees. If Avery is standing 12 ft away from the tree and is 5.5 feet tall, how high is the bird off the ground?

Graph each function using radians.

14) $y = 2\sin\left(\theta - \frac{\pi}{3}\right) + 1$

