Precalculus

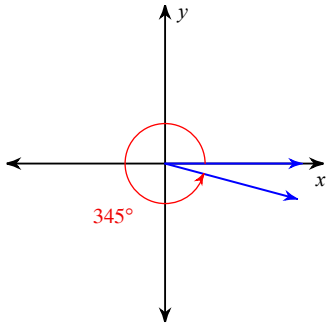
Name_____

T11 Review

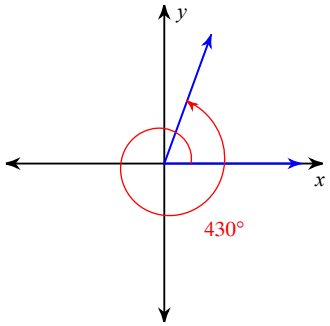
Date_____

Find the reference angle.

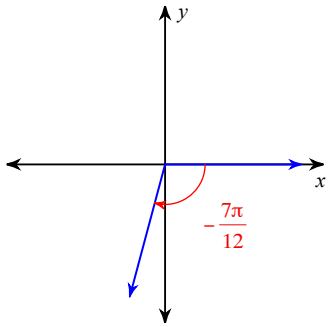
1)



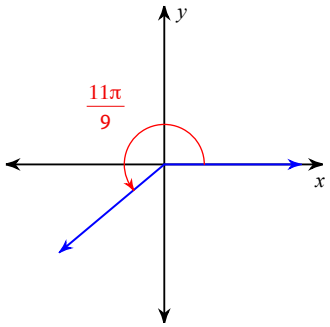
2)



3)



4)



5) $-250°$

6) $350°$

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

8) $\frac{17\pi}{12}$

Find the value using a calculator. Round to the ten-thousandths (four places).

9) $\sin 85.5°$

10) $\csc 123°$

11) $\tan \frac{2\pi}{9}$

12) $\sec -\frac{3\pi}{7}$

Find the measure of each angle θ, where θ is between 0° and 360°, to the nearest tenth of a degree. (remember: there are two answers!)

13) $\cos \theta = 0.7771$

14) $\cot \theta = -1.4281$

15) $\sec \theta = 2.3662$

16) $\sin \theta = 0.9205$

Graph the following trig functions with at least 2 cycles. Show either the points used to graph the function or the asymptotes. Draw the asymptotes. Clearly label the x-axis with your scale. State the domain and range.

17) $y = 3 \sin 2x$

18) $y = 2 \cos (x - \pi)$

19) $y = \tan \left(x - \frac{\pi}{4}\right) - 3$