

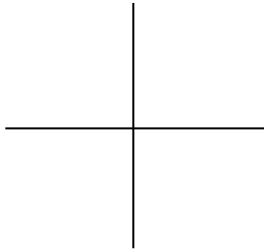
## Trigonometry T6B

For the following,

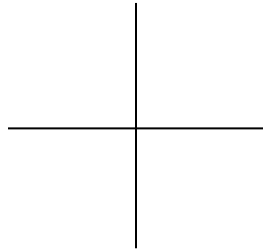
A. Draw and label the given angle in standard position and state what quadrant the terminal side is in (unless it lands on an axis).

B. State the reference angle.

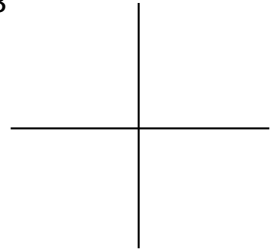
1.  $135^\circ$



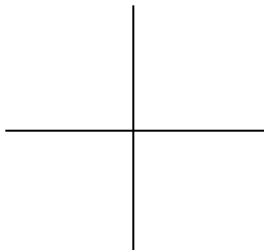
2.  $800^\circ$



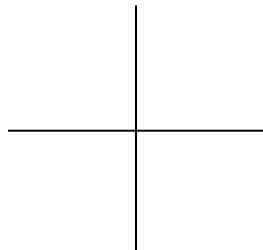
3.  $-163^\circ$



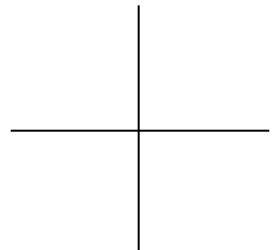
4.  $\frac{7\pi}{4}$



5.  $4204\pi$



6.  $\frac{9\pi}{14}$



Convert the following angles from degrees to radians:

7.  $34^\circ$

8.  $87^\circ$

9.  $1005^\circ$

Convert the following angles from radians to degrees:

10. 2.34

11. 87

12.  $\frac{5\pi}{3}$

The terminal side of  $\theta$  is in the given quadrant and satisfies the given trig function, find the value of the unknown function.

13.  $\cos\theta = \frac{-3}{7}$ , Quadrant II; Find  $\tan\theta$ .

14.  $\tan\theta = \frac{9}{6}$ , Quadrant III; Find  $\sin\theta$ .