

Pre-Calculus B  
Chapter 6 Content Quiz 3 Practice  
Non-Calculator

Name \_\_\_\_\_

Name the quadrant in which the angle  $\theta$  lies.

1.  $\sec \theta < 0$  and  $\csc \theta > 0$

2.  $\tan \theta < 0$  and  $\sin \theta < 0$

$\sin \theta$  and  $\cos \theta$  are given. Find the exact value of each of the four remaining trigonometric functions.

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

Find the exact value of each of the remaining trigonometric functions of  $\theta$ .

4.  $\cos \theta = \frac{-5}{13}$ ,  $\frac{\pi}{2} < \theta < \pi$

5.  $\csc \theta = 2$ ,  $\tan \theta < 0$

Find the exact value of each expression.

6.  $\tan 420^\circ$

7.  $\sec \frac{31\pi}{6}$

8.  $\sin 480^\circ$

9.  $\csc \frac{35\pi}{4}$