

Review #2 for Cumulative Test Ch 6, 8, and 9

Ch 8A Angles and Radian Measure *and* Trig Functions of Any Angle

1. Give one positive and one negative coterminal angle for the given angle

a)  $\frac{3\pi}{5}$

b)  $40^\circ$

2. Find the reference angle of each angle

a)  $323^\circ$

b)  $\frac{-5\pi}{6}$

3. Convert to degrees

a)  $-\frac{\pi}{12}$

b)  $\frac{5\pi}{9}$

4. Convert to radians

a)  $20^\circ$

b)  $-300^\circ$

5. Find the exact value of the following. NO DECIMALS

a)  $\tan \frac{16\pi}{3}$

b)  $\sin \frac{-\pi}{3}$

c)  $\sec \frac{\pi}{2}$

## Ch 8B Graphing Trig Functions

Graph and label all 5 important points clearly.

6.  $g(x) = \sin x + 2$

7.  $g(x) = \cos\left(x - \frac{\pi}{2}\right)$

8.  $y = -\sin\left(x - \frac{\pi}{2}\right)$

9.  $y = 3\cos \frac{x}{2} - 1$

## Ch 9 Chapter 9 Trigonometric Identities and Formulas

Think about your most recent test and the reviews. Anything from these may be on the Cumulative Test.