Algebra II Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lesson 13-3 Radian Measure Date\_\_\_\_\_\_\_\_\_\_\_\_\_Hour\_\_\_\_

HW #5 WS

Write each measure in radians. Express the answer in terms of π and as a decimal rounded to the nearest hundredth.

1. -300 2) 150 3) -90

Write each measure in degrees. Round your answer to the nearest degree, if necessary.

4) 3 radians 5) radians 6) radians 7) 1.57 radians

The measure of an angle in standard position is given. Find the **exact** values of cos and sin for each angle measure.

8) radians 9) radians 10) radians

cos = \_\_\_\_\_\_\_\_ cos = ­\_\_\_\_\_\_\_\_\_ cos = \_\_\_\_\_\_\_\_\_\_\_\_\_

sin = \_\_\_\_\_\_\_\_\_ sin = \_\_\_\_\_\_\_\_\_ sin = \_\_\_\_\_\_\_\_\_

11) radians 12) radians

cos = \_\_\_\_\_\_\_\_ cos = ­\_\_\_\_\_\_\_\_\_

sin = \_\_\_\_\_\_\_\_\_ sin = \_\_\_\_\_\_\_\_\_