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$π$ radians 5) $\frac{11π}{10}$radians 6) $\frac{-2π}{3}$radians 7) 1.57 radians

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

8) $\frac{π}{6 } $radians 9) $\frac{π}{3}$ radians 10) $\frac{π}{2}$ radians

cos $θ$ = \_\_\_\_\_\_\_\_ cos $θ$ = ­\_\_\_\_\_\_\_\_\_ cos $θ$ = \_\_\_\_\_\_\_\_\_\_\_\_\_

sin $θ$ = \_\_\_\_\_\_\_\_\_ sin $θ$ = \_\_\_\_\_\_\_\_\_ sin $θ$ = \_\_\_\_\_\_\_\_\_

11) $\frac{5π}{6}$ radians 12) $\frac{5π}{4}$radians

cos $θ$ = \_\_\_\_\_\_\_\_ cos $θ$ = ­\_\_\_\_\_\_\_\_\_

sin $θ$ = \_\_\_\_\_\_\_\_\_ sin $θ$ = \_\_\_\_\_\_\_\_\_