

Name \_\_\_\_\_ Date \_\_\_\_\_

PreCalc H - 2 Quiz – angles 3

**Show all WORK!**

No calculators.

1. Given that  $\sin \theta = \frac{5}{13}$  and  $\frac{\pi}{2} \leq \theta \leq \frac{3\pi}{2}$ . Determine all five other trigonometric relations.

2. Determine value of  $\text{Cos}^{-1}\left(-\frac{\sqrt{2}}{2}\right)$  over interval  $0 \leq \theta < 2\pi$ .

Determine  $\cos(\tan^{-1}(-\frac{3}{10}))$

Determine  $\cos(\sin^{-1}(5))$

Determine  $\cos(\sin^{-1}(-\frac{5}{8}))$