**UNIT 3B – HW 3**  NAME\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The following points are on the terminal side of an angle in standard position. Determine the exact values of the six tri functions of the angle.

1. (7, 24) 2. ($-3, 1)$

3. $(-2, -2)$ 4. (8, $-$6)

5. Find the exact value of sin $θ$ if $cosθ=\frac{\sqrt{2}}{5}$ and $θ$ is an angle in Quadrant 1.

6. Find the exact value of csc $θ$ if $cosθ=\frac{12}{13}$ and $θ$ is an angle in Quadrant 4.

7. Find the exact value of tan $θ$ if $sinθ=\frac{\sqrt{3}}{2}$ and $θ$ is an angle in Quadrant 2.

8. Find the exact value cos $θ$ if $sinθ=\frac{-2\sqrt{5}}{9}$ and $θ$ is an angle in Quadrant 3.