Name:

**Right Triangle Trig**

1. Tan θ= 6/8, find sin Ɵ
2. Sin θ= , find sec Ɵ
3. Cos θ= , find cot Ɵ
4. Sec θ= , find sin Ɵ

**In Exercises 5-8, the point given is on the terminal side of an angle in standard position. Determine the exact values of the six trigonometric functions of the angle.**

1. (4,3)
2. (-12, -5)
3. (-, 1)
4. (3, -1)

**In Exercises 9-12, state the quadrant in which θ lies.**

1. Sin θ < 0 and cos θ < 0
2. Sin θ > 0 and cos θ > 0
3. Sin θ > 0 and tan θ < 0
4. Sec θ > 0 and cot θ < 0

**In Exercises 13-18, find the values of the six trigonometric functions of θ.**

1. sin θ= , constraint: θ lies in quadrant II.
2. cos θ= , constraint: θ lies in quadrant III.
3. Tan θ= , constraint: sin θ < 0.
4. Cos θ= , constraint: tan θ < 0.
5. Cot θ= -3, constraint: cos θ > 0.
6. Csc θ= 4, constraint: cot θ < 0.