Name: _____

1.   Find two angles which are coterminal with -72.5 degrees.

2.   Change these angle from degrees to radians or radians to degrees as appropriate.

   a.   3.642 radians   b.   -17.5 degrees

3.   Find the values of the six trigonometric function of an angle in standard position with the point (16,30) on its terminal side.

4. Given that csc θ = 9/4, find the other five trig functions of θ.

5.   For acute angles in degrees, do the following.

   a.   evaluate cot(54.1°)   b.   Find θ if csc θ = 2.51   c.   Find θ if tan θ = 5.77

6. Solve the ABCabc right triangles below. Find all of the other sides and angles.

    a. $B = 21.4°$ and $c = 18.42$

    b. $a = 12.9$ and $c = 18.2$

7. Solve these two application problems from your text.

    a. Page 122#2

    b. Page 122#12