Analysis CP- Chapter 5A

WS 5.X- Chapter 5A Review

Complete each problem without a calculator on a separate sheet of paper.

1. Convert each angle measurement to a decimal degree measure.
2. 2 ½ revolutions clockwise b) -57°45’ c) 
3. Find the exact values of the six trig functions if 
4. Verify 
5. Evaluate: a)  b) 
6. Solve for 
7.  b)  c)  d) 
8. Sketch each angle in standard position and give the measure of its reference angle

 a) -17° b) 185° c) 

1. The terminal side of angle Ө lies in quadrant II and coincides with the line 

a) Find  b) Find  c)  d) the reference angle

1. If the central angle of a circle is 120° and the radius is 3, find

a) the arc length b) the area of the sector

1. You are riding a Ferris wheel with radius of 60 feet. You board the ride at the bottom of the wheel which is 5 feet off the ground. How far above the ground are you when the wheel has completed  rotations?
2. Explain why the equation  must be true for all values of .