**Chapter 4 Review**

**Section 4.1**

1 Draw each angle in standard position. Change each degree measure to radians and each radian measure to degrees.

a) 30˚ b) radians

2 Determine the quadrant the terminal arm lies. Identify one positive and one negative angle that is coterminal with each angle.

a) 181˚ b) -405˚ c)

3 Express the angles coterminal with 100˚ in general form. Identify the angles coterminal with 100˚ that satisfy the domain -720˚≤ θ ≤ 720˚.

4 Express the angles coterminal with in general form. Identify the angles coterminal with in the domain -4π≤ θ ≤ 4π.

5 Find the arc length subtended by an angle of radians, if the radius is equal to 16 cm.

**Section 4.2**

1 Indicate all the multiples of for 0

2 Indicate all the multiples of for 0

3 Indicate all the multiples of 300 for 00 0

4 Indicate all the multiples of 450 for 00 0

**Section 4.3**

1 Determine the exact values of the six trigonometric ratios for 225

2 Determine the approximate values of the six trigonometric ratios for 116to the nearest thousandth. (Calculator)

3.P(-3,7) is a terminal point of angle in standard position. Determine the exact values of the six trigonometric ratios for

4 Suppose csc = 5. Determine the exact values of the other trigonometric ratios for 0

**Section 4.4**

1 Solve each trigonometric equation in the specified domain.

1. 5 sin + 2 = 1 + 3 sin , 0
2. 3 csc – 6 = 0, 0

2 Solve for . ta, 0 (calculator). Round to the nearest hundredth.

3 Solve si, 0

4 If co0.

Determine the general solution for co, where the domain is real numbers measured in degrees.