**5.4 Review**

**Problem 1:** Calculating exact values cos 30˚, cos 150˚, cos210˚ and cos 330˚.

1. cos 30˚
2. cos 150˚
3. cos210˚
4. cos 330˚

**Problem 2:** Angle is in Q3 and

Hint: Always make a sketch first!

a) Determine the value of x, y , and r.

b) Sketch angle in standard position.

c) Determine the other 2 primary trig ratios for

d) Determine the principal angle and the related acute angle to the nearest degree.

e) Find another positive angle that has the same sine ratio.

f) Find a negative angle that has the same ratio.

**Problem 3:** If , find all possible values of .

**Problem 4**: Given , for .

a) Which quadrant could the terminal arm of θ lie?

b) Determine all possible primary trig ratios for θ.

c) Evaluate all possible values of θ to the nearest degree.