AdvAlg2, Homework due Monday, 5/8

Complete the following chart, showing each angle's measure in radians; and the sine and cosine for each angle in exact radical form (where appropriate).

Hint: to find the sine and cosine exactly, you may wish to construct a special right triangle.

Measure of α	sin α	cos α	Measure of α	sin α	cos α
0°			180°		
30°			210°		
45°			225°		
60°			240°		
90°			270°		
120°			300°		
135°			315°		
150°			330°		
180°			360°		

(there is one more problem, on the other side)

Also: *prove* that the line defined by $y = \sqrt{3}x$ makes an angle of $60°$ with the positive *x*-axis.