Name: _____

Math 120 Quiz #1
January 15, 2007

1. (3 pts.) Find an angle between 0 and 2π that is coterminal with the angle $-\frac{21\pi}{4}$.

2. (4 pts.) Sketch a triangle that has acute angle θ given that $\cos\theta = \frac{7}{25}$, and find the other five trigonometric ratios of θ.

3. (3 pts.) A 30-ft ladder leans against a building so that the angle between the ground and the ladder is 56°. How far is the base of the ladder from the wall? (Include units and round your answer to four digits after the decimal.)