Name: _____   Section: _____

Math 120A   Quiz 6   November 14, 2002

Show all work for full credit (do not merely read a solution from a graph on your calculator, for instance).

1. (5 points) A horse is running around a circular track at a rate of 3 rpm. The track has a radius of 15 feet. If the horse starts at a point due north of the center of the track, how far away from this point will the horse be after 12 seconds (give the straight line distance)?

2. (5 points) If $\sin\theta = -\frac{3}{4}$, what are the possible values of $\cos\theta$?