

NAME:

Math 105 - Quiz 12 - November 16, 2007

Instructions: Show all of your work and circle your final answers. Calculators are allowed, but notes and books are not.

1. (20 pts.) A 9 foot tall robot is walking away from a lamppost that is 12 feet tall. The robot is walking at a rate of 4 feet per second. How quickly is the tip of the robot's shadow moving away from the lamppost?