Quiz 8:

1. A 17 foot ladder is leaning against a wall and the base of the ladder begins to slide away from the wall. When the base is 15 feet from the foot of the wall, the base is moving at a rate of 10 ft/sec.

   (a) (5 points) How fast is the top of the ladder sliding down the wall at the described time?

   (b) (5 points) At what rate is the angle $\theta$ between the ladder and the ground changing at the described time?