

Quiz 2

Marh 18, 2007

A light is attached to the wall of a building 64 feet above the ground. A ball is dropped from the same height 20 feet away from the side of the building. How fast is the shadow of the ball moving along the ground after 1 second? Recall the acceleration due to gravity is 32 ft/s^2 . Hint: Use similar triangles, not sines and cosines.