

Attendance Quiz 5

Name: _____ Date : _____

1. A stone weighing 4 lb falls from rest toward the earth from a great height. As it falls it is acted upon by air resistance that is numerically equal to $\frac{1}{2}v$ (in pounds), where v is the velocity (in feet per second).

(a) Find the velocity and distance fallen at time t sec.

(b) Find the velocity and distance fallen at the end of 5 sec.