Engineering Physics I – Fall 2015
Quiz 2 – September 17, 2015
Name:

1. Convert an acceleration of 10 m/s^2 into m/min^2 (m is meters, min is minutes). You can approximate 10/6 as 1.6

a) $6x10^3$ m/min^2 c) $3.6x10^4$ m/min^2
b) $6x10^4$ m/min^2 d) $1.6x10^{-1}$ cm^2

2. True or False – Acceleration only affects the magnitude (speed) of the velocity

3. Two balls fall from a height h at the same time. Ball 1 has an initial velocity in the horizontal (x) direction of Vo,x, while Ball 2 has no initial x velocity and falls straight down. **Circle the best answer:**

a) Which ball hits the ground first? **Ball 1** **Ball 2** **Both hit at same time**

b) Which ball has a faster *total* speed when it hits the ground? **Ball 1** **Ball 2** **Both have the same speed**