**2.4 – Worksheet – add on**

1. How do you find the average speed of an object?
2. Suppose an object moves along the *x*-axis with its position function given by , where *t* is measured in seconds.  
   a) What is the average speed from *t* = 2 to *t* = 4 seconds?  
     
     
     
     
     
     
   b) How fast is the object moving at exactly *t* = 4 seconds?
3. An rover on another planet drops an object off a cliff. The object falls m in *t* sec, where *g* is a constant. Five seconds after the object was dropped it lands 30m below.  
   a) Find the value of *g*.  
     
     
   b) Find the average speed for the fall.  
     
     
   c) With what speed did the rock hit the bottom?