**SPH 3U Test # 1 Review**

1. Communication
2. Definition of physics
3. Definition of constant velocity, constant acceleration, displacement
4. Difference between vectors and scalars.
5. Describe the motion of a d-t graph.
6. Fundamental units of physics
7. Definition of meter, kilogram and second
8. Slope of d-t graph and v-t graph and area under a v-t graph
9. Displacement **Δd = df –di**

Constant velocity **v = d/t**

Five equations of acceleration

**a = (v2 – v1)/t**

**d = v1t+1/2at2**

**d = v2t-1/2at2**

**d = (v1+v2)t/2**

**2ad = v22-v12**

1. Problem Solving

Mr. and Mrs. Orange question

Car Chase Question

Plane turning around question

Acceleration Question Using 1 of 5 Equations

Bouncing Light off moon question or similar

80 days around the world question

Dropping Penny of CN tower question