**Mid-Term Guidelines**

**The test will consist of 2 parts:**

1. **Multiple choice (30%)**
2. **Problems (70%)**

**Make sure you practice the following:**

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| **MATH REVIEW**  | * Conversions
* Trigonometry/Algebra/Geometry
* Vectors
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| **KINEMATICS 1D**  | * Horizontal Motion (objects moving in x-axis)
* Vertical Motion (Free Fall)
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| **KINEMATICS WITH GRAPHS**  | * Practice how to draw X-t, v-t and a-t graphs
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| **KINEMATICS 2D**  | * Projectile Motion problems

\*Entire Parabola\*Half a parabola\*Objects launched from a building/cliff, go up and then go all the way down (like the Hunger Games Competition) |
| **LAWS OF MOTION**  | * Free Body Diagrams
* FNET=ma
* Tension (Static)
* Tension problems with pulleys
* Incline Plane
* Incline plane with pulleys
* Friction problems
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