**Free fall exam study guide**

**Exam date:** Friday, 9 December 2016

**Required material:** pencil, calculator, book to read until class has finished exam

**Exam topics:**

Clinometer use to measure an object’s height (know how to use the table of tangent angles)

Momentum

Impulse

Collisions (elastic vs. inelastic)

Conservation of momentum

Lunar Lander Challenge 7 analysis questions

Impulse-Momentum Theorem

Circular motion

Linear/tangential vs. rotational/angular velocity

Centripetal force and acceleration

All the variables that stand for the different concepts (p, v…. etc.)

**Material to study:**

All posted PowerPoints

All posted answer keys

All lecture notes

All returned work