

Exam #2 Study Guide

Ch. 6 - 9

Exam: Tues 10/29/19

Review All class notes up to 10/24/19 covering Ch. 6-9 & HW #6-10.

Practice homework and lecture problems such that you can solve them with different numbers. Think about different ways to describe scenarios.

Note: We are studying how to problem solve and determine which problems are very similar to each other. Reduce, Reuse, Recycle.

Remember: that a lot of the material that we are covering is cumulative and that it is important to always have the big picture in mind.

- Units always matter.
- Vectors have direction, Scalars do not. Sometimes +,- is direction.
- Rate and Amount relationships
- You can always calculate an average, but don't expect constant rates.
- What can you always say about forces and what is circumstantial?
- When are our conservation laws applicable? When are they simple?
- Compare and Contrast between linear and rotational motion?
- Torque is caused by a force, but it isn't equal to that force.
- Rotational quantities are analogous, but not equal to their linear counterparts.