Fastener and Torque worksheet

Review the resources linked to the Mechanical Processes website under Fasteners & Torque. (http://cf.linnbenton.edu/eit/auto/krolicp/web.cfm?pgID=2160)

Take notes on EACH question. (You may use these notes for the unit test) These notes will also help you when making vehicle repairs.

Some questions have simple answers.
Some questions are complex and require study, or practice.
Do not hesitate to ask questions!

What are some procedures to remove a stuck fastener?

When should you use replacement (new) fasteners?

How do you identify a bolt?
(length, diameter, SAE or Metric, grade, thread pitch, toque to yield)
Practice this in class before the test

What type of replacement fasteners should you select?

When should you use washers with nuts and bolts?

Types of thread coatings should you use (LocTite and Antiseeze)?

When do you replace locking devices (cotter pins, locking nuts, etc.)?

How can you repair fastener threads (thread files, tap & die, thread chasers)?
Practice this in class if you have never used a tap and die or thread chaser

How do you accurately torque a fastener?

How do you deal with torque-to-yield bolts to get a consistent clamping load?

How do you care for, and use a torque wrench?

How do you convert torque from inch-pounds to foot-pounds?

How do you find the proper torque value from a chart?