Objective: To practice engine mechanical diagnosis and analysis.

Procedure: Perform listed items below following directions. Record all results. If working in teams, everyone on the team must perform all tests at least once.

Vehicle: __________________________________________________________

- Prepare vehicle for compression test: remove all plugs, hookup battery charger, block throttle open, disable ignition system, disable fuel injectors if necessary. Engine should be warm.

- Run full compression test and record results below.

- Perform wet test on at least one cylinder. Did readings improve?

- Perform leak down on 2 cylinders and record results below.

- Perform running/snap compression test on 2 cylinders and record results below.

- Perform one electronic (dynamic) compression test and attach results.

- Measure and record engine manifold vacuum at idle. ______________