

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) An injection cleaning machine is being discussed. Technician A says that the applied pressure should be between 75-90 PSI before starting the engine. Technician B says to pressure clean the fuel system using a 2:1 mixture of solvent to gasoline. Which technician is correct? 1) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 2) During a fuel injector pressure drop test, the difference between any two fuel injectors should not exceed \_\_\_\_\_. 2) \_\_\_\_\_
  - A) 1.5 PSI
  - B) 15 PSI
  - C) 0.4 PSI
  - D) 14.7 PSI
  
- 3) In a typical port fuel injection system, which injectors are most subject to becoming restricted? 3) \_\_\_\_\_
  - A) Any of them equally
  - B) The injectors at the end of the rail on a returnless system
  - C) The injectors at the bends in the rail
  - D) Either B or C
  
- 4) Technician A always uses a special service tool to pulse fuel injectors. Technician B says that the injector for each cylinder should only be flow tested four times without starting the engine. Which technician is correct? 4) \_\_\_\_\_
  - A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
  
- 5) A fuel line with a yellow tag on it has been removed from a GDI-equipped engine. What action should the technician take when reinstalling the fuel line? 5) \_\_\_\_\_
  - A) Use a good sealer on the fitting.
  - B) Wrap the threads with teflon tape.
  - C) The line must be replaced.
  - D) The line can be reused if it looks OK.
  
- 6) Which of the following could be reasons for poor engine performance in cold weather? 6) \_\_\_\_\_
  - A) Low fuel pressure
  - B) Insufficient fuel volume
  - C) Contaminated fuel
  - D) All of these are correct.

- 7) The following statements are all correct EXCEPT \_\_\_\_\_. 7) \_\_\_\_\_
- A) relearning the PCM should never be attempted
  - B) on engines operating very poorly, the PCM should be relearned after fuel system cleaning
  - C) fuel systems that have never been cleaned may have developed wax deposits as well as carbon
  - D) the fuel rail and pressure regulator should be cleaned as well as fuel injectors
- 8) Fuel injection service is being discussed. Technician A says that the throttle plate(s) should be cleaned. Technician B says that the fuel rail should be cleaned. Which technician is correct? 8) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 9) What should be done if the fuel pressure regulator will NOT hold vacuum? 9) \_\_\_\_\_
- A) Replacement
  - B) Cleaning
  - C) Adjustment
  - D) Nothing; this is normal.
- 10) The fuel pressure drops rapidly when the engine is turned off. Technician A says that one or more injectors could be leaking. Technician B says that a defective check valve in the fuel pump could be the cause. Which technician is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician