

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

- 1) Hard spots in a brake drum are caused by \_\_\_\_\_. 1) \_\_\_\_\_
- A) Excessive heat and pressure
  - B) Machining a drum at too high a speed
  - C) Improper mounting of the drum on the lathe
  - D) Machining a drum without using a rubber belt to damper out the vibrations

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

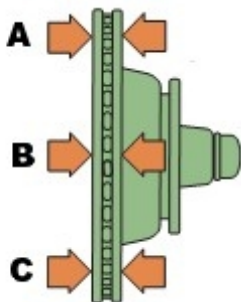
- 2) A hubless brake drum cannot be machined because it cannot be held in a lathe. 2) \_\_\_\_\_

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

- 3) Technician A says that hard spots in a brake drum should be removed using a carbide-tip machining tool. Technician B says that the drum should be replaced if hard spots are discovered. Which technician is correct? 3) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

- 4) The minimum cut when machining a drum or rotor should be \_\_\_\_\_. 4) \_\_\_\_\_
- A) 0.020 inch
  - B) 0.002 inch
  - C) 0.600 inch
  - D) 0.0005 inch

- 5) The rotor in this illustration was measured in three places. 5) \_\_\_\_\_



The measurements are:

Point A = .987 "

Point B = .986 "

Point C = .987 "

The minimum thickness specification is .968 ". The rotor surface is smooth and not scored. What action should the technician take?

- A) Replace the rotor
- B) None, the rotor is OK
- C) Drive the vehicle to see if the variation evens out
- D) Machine the rotor to correct the thickness variation

- 6) The chamfer on the inside edge of a brake drum usually indicates \_\_\_\_\_. 6) \_\_\_\_\_  
 A) Machine to diameter  
 B) Aluminum drum with cast iron inset  
 C) Maximum allowable inside diameter  
 D) Bi-metallic drums (1/2 cast iron and 1/2 steel)
- 7) Technician A says that rotors cannot be machined while still installed on the vehicle. Technician B says that the drums should be removed from the vehicle to be machined. Which technician is correct? 7) \_\_\_\_\_  
 A) Technician A only  
 B) Technician B only  
 C) Both technicians  
 D) Neither technician
- 8) A pedal pulsation condition can be isolated to the front or rear brakes by \_\_\_\_\_. 8) \_\_\_\_\_  
 A) Using the parking brake to stop  
 B) Lifting the vehicle slightly  
 C) Rotating the tires  
 D) Four hard stops
- 9) Technician A says that aluminum brake drums use cast iron friction surfaces. Technician B says that up to 0.030 in. (0.8 mm) should be left after machining a drum to allow for wear. Which technician is correct? 9) \_\_\_\_\_  
 A) Technician A only  
 B) Technician B only  
 C) Both technicians  
 D) Neither technician

TRUE/FALSE. Write 'T' if the statement is true and 'F' if the statement is false.

- 10) Rotors are more likely to become scored than drums. 10) \_\_\_\_\_