

Name \_\_\_\_\_

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

- 1) The brake lathe arbor should be checked using a \_\_\_\_\_. 1) \_\_\_\_\_  
A) feeler gauge  
B) vacuum gauge  
C) thread pitch gauge  
D) dial indicator
- 2) Two technicians are discussing the machining of brake drums. Technician A says that most brake drums cannot be machined more than 0.060 in. oversize. Technician B says that brake drums on a common axle should be machined to within 0.010 in. of each other. Which technician is correct? 2) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 3) Two technicians are discussing hard spots in brake drums. Technician A says the drum should be replaced. Technician B says the hard spots are caused by using riveted rather than bonded brake shoes. Which technician is correct? 3) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 4) Technician A says that brake drums on the same axle should be close to the same inside diameter for best brake balance. Technician B says that a brake drum may be cracked if it rings like a bell when tapped with a light steel hammer. Which technician is correct? 4) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 5) Technician A says anti-vibration devices only need to be used when resurfacing drums. Technician B says hubless brake rotors require special adapters when mounted on a bench lathe for resurfacing. Which technician is correct? 5) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 6) The chamfer on the inside edge of a brake drum usually indicates \_\_\_\_\_. 6) \_\_\_\_\_  
A) bimetallic drums (1/2 cast iron and 1/2 steel)  
B) maximum allowable inside diameter  
C) machine to diameter  
D) aluminum drum with cast iron inset

- 7) Which is NOT a type of brake drum construction? 7) \_\_\_\_\_  
A) Solid composite  
B) Bimetallic  
C) Centrifugally cast  
D) Composite
- 8) Typical maximum rotor runout specifications are \_\_\_\_\_. 8) \_\_\_\_\_  
A) 0.0003 to 0.0005 in. (0.008 to 0.013 mm)  
B) 0.003 to 0.005 in. (0.08 to 0.13 mm)  
C) 0.030 to 0.050 in. (0.8 to 1.3 mm)  
D) 0.300 to 0.500 in. (8.0 to 13 mm)
- 9) Brake drums use \_\_\_\_\_ for the friction surface area. 9) \_\_\_\_\_  
A) cast iron  
B) aluminum  
C) steel  
D) carbon
- 10) 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? 10) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician