

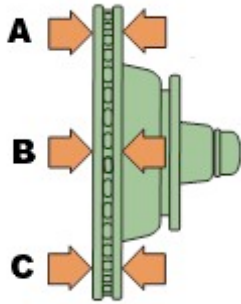
Name \_\_\_\_\_

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

- 1) 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? 1) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 2) Typical maximum rotor thickness variation (parallelism) specifications are \_\_\_\_\_. 2) \_\_\_\_\_
- 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)
- 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) Disc brake rotors should be machined if badly rusted. 4) \_\_\_\_\_
- A) True
  - B) False

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

6) Machining of a rotor is performed to \_\_\_\_\_.

6) \_\_\_\_\_

- A) Remove hard spots
- B) Remove deep scoring
- C) Either A or B
- D) Neither A nor B

7) Cast iron drums are not brittle.

7) \_\_\_\_\_

- A) True
- B) False

8) The lower the Ra of a rotor, the \_\_\_\_\_ the surface.

8) \_\_\_\_\_

- A) Smoother
- B) Rougher
- C) Higher
- D) Lower

9) A disc brake rotor is being installed on a lathe for machining. During the setup a scratch test is performed. The scratch extended all the way around the rotor. Technician A says that the rotor should be loosened, rotated 180 degrees, and retightened. Technician B says that the rotor is not warped. Which technician is correct?

9) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

10) Technician A says that rotor thickness variation is a major cause of a pulsating brake pedal. Technician B says that at least 0.015 in. (0.4 mm) should be left on a rotor after machining to allow for wear. Which technician is correct?

10) \_\_\_\_\_

- A) Technician A only
- B) Technician B only
- C) Both technicians
- D) Neither technician

## Answer Key

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1) C

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2) A

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3) A

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4) A

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5) C

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6) B

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7) B

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8) A

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9) B

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10) C

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