

Name _____

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

- 1) How much force is generally used to check idler arms? 1) _____
A) 25 lbs.
B) 150 lbs.
C) As much as possible
D) 5 lbs.

- 2) How are the inner tie rods attached to the rack on a center take-off type rack and pinion steering gear? 2) _____
A) Staked
B) Bolted
C) Riveted
D) Pinned

- 3) Cross steer linkage is found on _____. 3) _____
A) sports cars
B) light trucks and vans
C) mid-size sedans
D) none of these

- 4) Which of the following terms may be used to describe the center link? 4) _____
A) Drag link
B) Connecting link
C) Relay rod
D) All of these are correct.

- 5) Technician A says that outer tie rod ends should be replaced in pairs, even if only one is worn. Technician B says that inner tie rod ends should be replaced in pairs, even if only one is worn. Which technician is correct? 5) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 6) New tie rods are being installed. Technician A says to tighten the retaining nuts to specification and then loosen, if needed, to align the cotter pin hole. Technician B says to tighten farther to align the cotter key hole. Which technician is correct? 6) _____
A) Technician A only
B) Technician B only
C) Both technicians
D) Neither technician

- 7) Which of the following is NOT a component of a parallelogram-type steering linkage? 7) _____
- A) Pitman arm
 - B) Drag link
 - C) Center link
 - D) Idler arm
- 8) Steering linkage joints should be lubricated with _____. 8) _____
- A) brake fluid
 - B) 20W-50 engine oil
 - C) 80W-90 gear oil
 - D) grease
- 9) A rack and pinion inner tie rod end is often secured by which of these methods? 9) _____
- A) Riveted or pinned
 - B) Staked
 - C) Either A or B
 - D) Neither A nor B
- 10) Which of the following linkage types may be used with a rack and pinion design? 10) _____
- A) Parallelogram
 - B) Cross steer
 - C) Haltenberger
 - D) None of these are correct.