

Name: _____

Date: _____

1. How does SAI cause the vehicle to straighten the front tires after a turn?
 - A. By creating a lifting force on the spindle
 - B. By creating a downward force on the spindle
 - C. By using the caster effect
 - D. By adjusting the toe automatically

2. The included angle is the sum of which two angles?
 - A. SAI and caster
 - B. Camber and caster
 - C. Camber and SAI
 - D. Toe and camber

3. Which angle determines the thrust angle?
 - A. Front toe
 - B. Rear toe
 - C. Rear camber
 - D. Front caster, SAI, and included angle

4. Two technicians are discussing scrub radius. Technician A says that scrub radius cannot be measured. Technician B says that scrub radius cannot be adjusted. Which technician is correct?
 - A. Technician A only
 - B. Technician B only
 - C. Both Technician A and B
 - D. Neither Technician A nor B

5. When performing a four-wheel alignment, which is the first adjustment(s) to make?
 - A. Rear camber and toe
 - B. Rear caster and toe
 - C. SAI and included angle
 - D. Front wheel toe

6. What is the purpose of the crown of the road?
 - A. To increase vehicle stability
 - B. To drain water off the pavement
 - C. To improve vehicle handling
 - D. To reduce tire wear

7. Excessive positive camber causes wear on which part of the tire?
 - A. Inside edge
 - B. Outside edge
 - C. Center tread
 - D. Both edges equally

8. Incorrect camber can cause excessive wear on which vehicle component?

- A. Wheel bearings
- B. Steering linkage
- C. Brake pads
- D. Suspension springs

9. What is the effect of a road crown on vehicle handling?

- A. It causes the vehicle to pull to the highest side of the road
- B. It causes the vehicle to pull to the lowest side of the road
- C. It has no effect on vehicle handling
- D. It improves vehicle handling by increasing the contact patch

10. What is the recommended procedure for checking the frame for possible damage?

- A. Visual inspection only
- B. Measuring the wheelbase
- C. Diagonal measurements from known points at the front and the rear
- D. Checking for symmetry by comparing the left and right sides

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Multiple Choice Quiz B

Answer Key

1. A

2. C

3. B

4. B

5. A

6. B

7. B

8. A

9. A

10. C