

Name _____

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

1) What is an inter-axle differential?

2) What are the common shift modes used in an automatic transmission?

3) How is a gear ratio calculated?

4) What is the difference between torque and horsepower?

Answer Key

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1) The inter-axle differential is located between the two drive axles. The inter-axle differential allows the front-to-rear wheel speed differential.

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2) The shift modes for most automatic transmission's include park, reverse, neutral, overdrive, drive, third, second and first (low).

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3) Gear ratios are determined by dividing the number of teeth on the driven gear (output) by the number of teeth on the driving gear (input).

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4) Torque is a rotating or twisting force that may or may not result in motion whereas horsepower is the measure of the rate of doing work.

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