

Name:

Speed/Acceleration Quiz

1. Give the equation for speed:
2. Give the equation for average speed:
3. Give the equation for acceleration:
4. A car on a freeway ramp accelerates from 20 meters/second to 24 meters/second in 9 seconds, what is the rate of acceleration for the car?
5. A car goes 40 km in 20 minutes and 30 km more in the next 40 minutes. Find the car's average speed for the first hour of the trip.
6. How far will an object move in 7 seconds if its average velocity is 20 meters/second?
7. A train traveling 40 meters/second stops in 20 seconds. Find the rate of deceleration of the train.
8. If you travel to Chicago in 3 hours and the speed is 120 km/hr, what is the distance to Chicago?
9. How long does it take for a car to accelerate from 20m/s to 35 m/s, if a car accelerates at a rate of 3m/s^2 .
10. If a car travels at a rate of 125 km/hr for a day, how far will the car travel?