Physics
FA 2.2 - Acceleration

Name_____

When you have finished this, go to the website and check your answers. If you got a problem wrong, cross it off on the front, and do it correctly on the back.

1. A car accelerates from rest to 21.0 m/s in 2.45 seconds. What is its acceleration?

2. A rock accelerates at 9.81 m/s/s for 1.25 s. What is its change in velocity?

3. A car can accelerate at 4.50 m/s/s. What time will it take to accelerate from rest to 12.0 m/s

4. A car goes from 37.0 m/s to 21.0 m/s in 3.50 seconds. What is its acceleration?

5. A car has a final velocity of 23.0 m/s after having accelerated at 1.75 m/s/s for 7.80 seconds. What was its initial velocity?