Worksheet for Linear Equation

Name:_____ Rating: _____

1. A biker travels 60 miles in 2.5 hours. Determine the biker's average speed.

2. A car travels between two cities 400 miles apart in 7 hours. The return trip takes 9 hours. Find the average speed of the car.

3. A police officer, traveling at 100 miles per hour, pursues Philip who has a 30 minute head start. The police officer overtakes Philip in two hours. Find Philip's speed.

4. A 555-mile, 5-hour plane trip was flown at two speeds. For the first part of the trip, the average speed was 105 mph. Then the tailwind picked up, and the remainder of the trip was flown at an average speed of 115 mph. For how long did the plane fly at each speed?