Name : _____ Score : _____

Teacher : _____ Date : _____

Distance, Rate, and Time Word Problems

1) A truck and van left from Paris in opposite directions. The truck traveled for 9 hours at 71 mph. The vehicles were 933 miles apart. Find the van's average speed. _____

2) Mary left Durham with a speed of 85 mph. Sara also left at the same time in the opposite direction at a speed of 42 mph. Find how many hours Sara must travel before they are 306 miles apart. _____

3) Keith left downtown NYC, and three hours later, Mike left going 42 mph faster to catch up. After another two hours, Mike caught up. Find Keith's average speed. _____

4) Melanie left Greensboro traveling 74 mph. Jason, to catch up, left some time later driving at 83 mph. Jason caught up after 9 hours. How long was Melanie driving before Jason caught up? _____

5) A plane set off to Greensboro at a speed of 247 mph. On the return flight of 14 hours, the plane cruised at 212 mph. How many hours long was the flight to Greensboro? _____

6) A cargo plane flew from the US across the Atlantic at 245 mph, and flew back to the US at 265 mph. Given that the first trip took two hours longer, how long was the return trip? _____

7) Nancy traveled to NYC by car. Going there took 5 hours, and the return trip lasted 3 hours. Nancy averaged a speed of 72 mph while returning. Find the average speed of the trip there. _____

8) Alyssa left the city traveling at 73 mph, while, at the same time, Sandy left the city going the opposite direction at a speed of 48 mph. Find the time Alyssa traveled before the two were 103 miles apart. _____

9) A train left for Durham, and 4 hours later, a car traveling 71 mph tried catching up to the train. After 9 hours, the car caught up. What was the train's average speed? _____

10) Mary left the city for vacation. Jason left 9 hours later going 41 mph faster to catch up. After 8 hours Jason caught up. What was Mary's average speed? _____

Name : _____ Score : _____

Teacher : _____ Date : _____

Distance, Rate, and Time Word Problems

1) A truck and van left from Paris in opposite directions. The truck traveled for 9 hours at 71 mph. The vehicles were 933 miles apart. Find the van's average speed.

32.67 mph

2) Mary left Durham with a speed of 85 mph. Sara also left at the same time in the opposite direction at a speed of 42 mph. Find how many hours Sara must travel before they are 306 miles apart.

2.41 hours

3) Keith left downtown NYC, and three hours later, Mike left going 42 mph faster to catch up. After another two hours, Mike caught up. Find Keith's average speed.

28.00 mph

4) Melanie left Greensboro traveling 74 mph. Jason, to catch up, left some time later driving at 83 mph. Jason caught up after 9 hours. How long was Melanie driving before Jason caught up?

10.09 hours

5) A plane set off to Greensboro at a speed of 247 mph. On the return flight of 14 hours, the plane cruised at 212 mph. How many hours long was the flight to Greensboro?

12.02 hours

6) A cargo plane flew from the US across the Atlantic at 245 mph, and flew back to the US at 265 mph. Given that the first trip took two hours longer, how long was the return trip?

24.50 hours

7) Nancy traveled to NYC by car. Going there took 5 hours, and the return trip lasted 3 hours. Nancy averaged a speed of 72 mph while returning. Find the average speed of the trip there.

43.20 mph

8) Alyssa left the city traveling at 73 mph, while, at the same time, Sandy left the city going the opposite direction at a speed of 48 mph. Find the time Alyssa traveled before the two were 103 miles apart.

0.85 hours

9) A train left for Durham, and 4 hours later, a car traveling 71 mph tried catching up to the train. After 9 hours, the car caught up. What was the train's average speed?

49.15 mph

10) Mary left the city for vacation. Jason left 9 hours later going 41 mph faster to catch up. After 8 hours Jason caught up. What was Mary's average speed?

36.44 mph