

Algebra I Worksheet #5 Unit 3 page 2

Solve each of the following problems algebraically (one variable solution). Show your work neatly organized.

6. Jane and Sally drive toward each other from places that are 445 miles apart. Jane averages 43 miles per hour, while Sally averages 46 miles per hour. If they both start driving at 9:00 AM, then at what time will they meet?

7. Nancy and Bill drive toward each other from places that are 360 miles apart. Nancy starts driving at 2:00 PM and averages 48 miles per hour. Bill also starts driving at 2:00 PM and averages 42 miles per hour. At what time will they meet?

8. Phil and Denise drive toward each other from places that are 432 miles apart. Phil starts driving at 9:00 AM and averages 38 miles per hour. Denise starts driving at 1:00 PM and averages 42 miles per hour. At what time will they meet?