



## Algebra I Class Worksheet #3 Unit 3 page 2

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

8. Bill and Steve drive toward each other from places that are 231 miles apart. Bill averages 35 miles per hour, while Steve averages 42 miles per hour. If they both start driving at 8:00 AM, then at what time will they meet?

9. Ann and Kate drive toward each other from places that are 415 miles apart. Ann starts driving at 1:00 PM and averages 45 miles per hour. Kate also starts driving at 1:00 PM and averages 38 miles per hour. At what time will they meet?

10. Sue and Mark drive toward each other from places that are 350 miles apart. Sue starts driving at 8:00 AM and averages 52 miles per hour. Mark starts driving at 11:00 AM and averages 45 miles per hour. At what time will they meet?