Word Problems (4-2) Examples
****Equations with variables on both sides:**

1. Two cars travel the same distance. The first car travels at a rate of 40 mph and reaches its destination in t hours. The second car travels at a rate of 55 mph and reaches its destination 3 hours earlier than the first car. How long does it take the first car to reach its destination?

2. From 1989 to 1990 the population of Nevada increased by 157,000, and that of Maine increased by 30,000. In 1990, the population of Nevada was 1,206,152, and that of Maine was 1,233,223. If the populations of the two states continue to increase at the same rates, when will the populations of Nevada and Maine be the same?