

Name: _____ Period: _____ Assign # _____

Systems of Equations
Word Problems
Set D

1. The sum of 4 times Mike's age and 3 times Susan's age is 79. Mike is 1 year more than three times as old as Susan. Find each of their ages.
2. The sum of 3 times Don's age and 5 times Sean's age is 150. Sean is 9 years less than twice as old as Don is. Find each of their ages.
3. The perimeter of a rectangle is 37 m. The length is 1 m less than twelve times the width. Find the dimensions of the rectangle.
4. The perimeter of a rectangle is 24 m. The width is 30 m less than five times the length. Find the dimensions of the rectangle.