

**New Jersey City University**  
**Intermediate Algebra**  
**Peer Led Team Learning Workshop 1A**  
**Solving More-Involved Word Problems**

**1. Section 2.5**

The width of the soccer field recommended for players under the age of 12 is 35 yards less than twice the length.

- a. If  $L$  represents the length, write an expression for the width in terms of  $L$ .
- b. Write an expression for the perimeter in terms of  $L$ .
- c. If the perimeter of the field is 295 yards, find the dimensions of the field.

**2. Section 2.5**

When XYZ Community College opened, the number of students (full-time and part-time) was 500. Since then the number of part-time students has tripled and the number of full-time students has doubled.

- a. Let  $n$  represent the original number of part time students. Write a linear expression (in terms of  $n$ ) for the total number of students at the community college now.
- b. If there are 1175 students now, how many of them are part-time?