Inclass Activity 3.6

1. (3 pt) Suki wants to cut a 96 inch wire into two pieces so that the longer piece is 3 times the length of the shorter piece. What is the length of each piece?

Legend:

Picture:

Formula:

Equation:

Sentence:

2. (3pt) In a right triangle, the measure of the middle angle is $18^\circ$ more than the measure of the smallest angle. What are the measures of these two angles?

Legend:

Picture:

Formula:

Equation:

Sentence:
3. (3 pt) After two tests, Carol has a total score of 170 points. The score on her first test was 8 points higher than the score on her second test. How many points did she receive on each test?

Legend:

Picture:

Formula:

Equation:

Sentence:

4. (3 pt) A rectangle garden has a perimeter of 520 feet. If the width is 82 feet shorter than the length, what are the dimensions of the garden?

Legend:

Picture:

Formula:

Equation:

Sentence: