JMJ

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 8

**Chapter 11**

DIRECTIONS: SHOW ALL WORK ALGEBRAICALLY IN YOUR NOTEBOOK.

1.) The length of a rectangle is four times its width. Its area is 324 m2. Find the length and the width.

2.) The length and width of a rectangle are in a ratio of 5 : 3. Find the length and width of the rectangle if its perimeter is 144 m.

3.) The area of a square is 169 m2. Find the area of a triangle whose base is the same length as the side of the square and whose height is 5 m.

4.) The length of a rectangle is 32 m. Its width is 8 m. Find the length of the side of a square whose area is the same as that of the rectangle.

5.) The area of a triangle is 144 m2. Its height is 18 m. Find the perimeter of a square whose side is the same length as that of the base of the triangle.

6.) The area of a circle is 113.04 m2. Find the circumference of the circle.

7.) The area of a square is 121 cm2. Find the perimeter.

8.) The bases of a trapezoid measures 5.8 m and 11.2 m. The area of the trapezoid is 76.5 m2. Find its height.

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