Title: **Engineering and Scientific Notation** Test: 1

Course: Electrical Applications Unit: Electrical Theory CLO: 3

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade \_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objectives**

1. Student shall convert decimal numbers to their engineering notation equivalent.
2. Student shall convert decimal numbers to their scientific notation equivalent.

**Assessment**

Students shall demonstrate a comprehension of the objectives listed above by scoring a minimum of 75% on this Test. Grading shall be based on an answer key.

**Instructions**

Convert the following decimal numbers to Engineering Notation.

1. 0.0096 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 26494 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Convert the following scientific notation numbers to their decimal form.

1. 3.026x104 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 7.3221x10-5 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Convert the following decimal numbers to their scientific notation form.

1. 670811 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 0.0629 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Convert the following engineering notation numbers to their decimal form.

1. 3.251k \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 42.5µ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Convert the following scientific notation numbers to engineering notation form.

1. 8.136x105 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. 91.26x10-2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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