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

Course: Electrical Applications Unit: Electrical Theory CLO: 3

Name ANSWER KEY Grade 10pts 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 9.6m
2. 26494 26.494k

Convert the following scientific notation numbers to their decimal form.

1. 3.026x104 30,260
2. 7.3221x10-5 0.000073221

Convert the following decimal numbers to their scientific notation form.

1. 670811 6.708 x 105
2. 0.0629 6.29 x 10-2

Convert the following engineering notation numbers to their decimal form.

1. 3.251k 3,251
2. 42.5µ 0.0000425

Convert the following scientific notation numbers to engineering notation form.

1. 8.136x105 813.6k
2. 91.26x10-2 912.6m

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