Title: **Decimal to Octal Conversion** Worksheet: 5

Course: Introduction to Automation Unit: Introduction to PLC CLO: 4

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

**Objectives**

1. Student shall calculate an octal number given its equivalent value in decimal form.

**Assessment**

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

**Instructions**

Convert the following decimal numbers to their octal equivalents.

1. 3710 \_\_\_\_8
2. 1210 \_\_\_\_8
3. 5410 \_\_\_\_8
4. 310 \_\_\_\_8
5. 12610 \_\_\_\_8
6. 1610 \_\_\_\_8
7. 7710 \_\_\_\_8
8. 1010 \_\_\_\_8
9. 10110 \_\_\_\_8
10. 21110 \_\_\_\_8

This page left intentionally almost blank