



# Introduction to Industrial Controls Assessment Answer Key

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

1. Programmable logic controllers are electrical devices designed to control machines and industrial processes \_\_\_\_\_.
  - A. manually
  - B. *automatically*
  - C. neither
2. The output of an industrial control circuit is also called the \_\_\_\_\_.
  - A. decision
  - B. signal
  - C. *action*
  - D. none of the above
3. A pressure switch is an example of a \_\_\_\_\_ condition control.
  - A. manual
  - B. *automatic*
4. The three basic sections of all industrial control circuits are the signal, the \_\_\_\_\_ and the action.
  - A. output
  - B. input
  - C. *decision*
  - D. power



5. A relay is a special type of switch or industrial control device operated by a magnetic coil.
  - A. *True*
  - B. *False*
6. Select the answer which does not represent one of the six “logic” functions.
  - A. *AND*
  - B. *NOT*
  - C. *ONLY*
  - D. *NAND*
7. A limit switch is a good example of a control device that would respond to a mechanical input.
  - A. *True*
  - B. *False*
8. The entire concept of industrial control circuits begins with the \_\_\_\_\_.
  - A. *signal*
  - B. *decision*
  - C. *action*
  - D. *none of the above*
9. The decision part of a control circuit is the part that adds, subtracts, sorts out, selects, and redirects the signals from the industrial control device to the output.
  - A. *True*
  - B. *False*
10. A light switch being left alone with the light glowing is an example of \_\_\_\_\_.
  - A. *AND logic*
  - B. *OR logic*
  - C. *NOT logic*
  - D. *None of the above*