



## Curriculum Pre/Post Test Unit 2

1. Manipulators are used to:
  - A. Move the robot from location to location.
  - B. Interact with the environment around the robot.
  - C. Provide feedback to the robot.
  - D. Manipulate the feedback from robot.
  
2. Which of the following is not a form of robotic drivetrain?
  - A. Wheels
  - B. Legs
  - C. Manipulators
  - D. Tank Treads
  
3. The CPU of a robot processes information from sensors and makes decisions based on logic.
  - A. True
  - B. False
  
4. Industrial robots are mainly used for research.
  - A. True
  - B. False
  
5. Which of the following is not a name of a NASA research robot?
  - A. Spirit
  - B. Dextre
  - C. Opportunity
  - D. Endeavour
  
6. What does STEM stand for?
  - A. Science Technology Engineering Math
  - B. Selective Teaching Environmental Mechanics
  - C. Social Training Economical Modeling
  - D. Seeing Touching Evaluating Manipulating



7. What is the length between square holes on the VEX structural metal?

- A. 0.25 inches
- B. 0.375 inches
- C. 0.5 inches
- D. 0.75 inches

8. What is the name of this VEX part?

- A. Bushing Block
- B. Bearing Flat
- C. Guide Block
- D. Spacer



9. Which type of nut in the VEX Design System has a plastic insert to prevent the screw from loosening?

- A. KEPS
- B. Nylock
- C. Wing
- D. CAP

10. What is the name of this nut?

- A. KEPS
- B. Nylock
- C. Wing
- D. CAP

