Unit 1 Test Review

You should be able to find the answer to all of these using your guided notes and LearnMate.

1. What is the brain of your robot?
2. What is the purpose of a VEX jumper clip?
3. Define:
   1. Input
   2. Output
   3. Program
   4. Center of gravity
   5. Iteration
   6. Bearing
   7. Collar
   8. Gear
   9. Screw
   10. Bolt
   11. Motor
4. Engineering Design Cycle Steps
5. Components of robotic system
6. Types of screws and how to determine their length
7. What does a tether cable do?
8. Identify tools used to build the basebot
9. Robot safety rules
10. Identify ports on controller
11. Arcade and Tank control
12. The generic code used to control the basebot?
13. Identify:
    1. Bumper switch
    2. Limit switch
    3. Line follower
    4. Ultrasonic sensor
    5. Types of tires
    6. Keps nuts, collars
14. Engineering Notebook requirements