

Name: _____ Date: _____

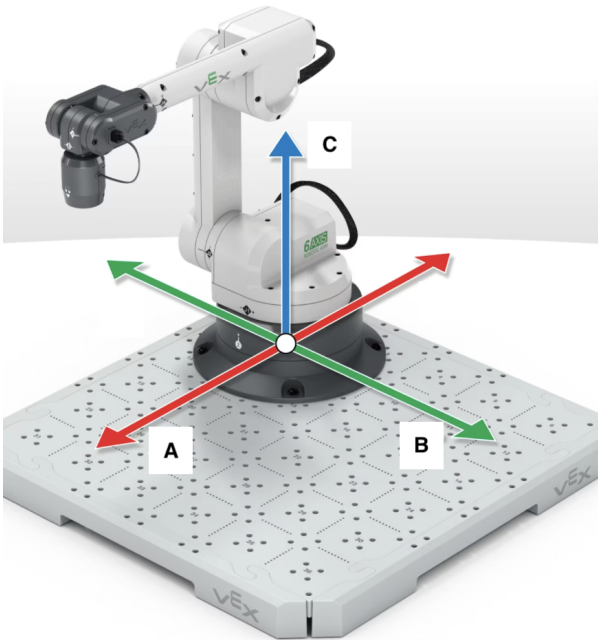
VEX CTE Workcell

Unit 3 - Lesson 3: Autonomous Movement Along the X-Axis

1. In the context of the 6-Axis Arm, what is the significance of changing the x-value in the Move to position block?
- It causes the 6-Axis Arm to extend or retract along the x-axis
 - It adjusts the rotation speed of the 6-Axis Arm
 - It changes the 6-Axis Arm's grip strength
 - It changes the height of the 6-Axis Arm along the z-axis
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2. Based on this example, how far along the x-axis will the 6-Axis Arm move? Assume the 6-Axis Arm starts at location (0, 0, 200).
- It will not move at all
 - 200 millimeters
 - 12 inches
 - 126 millimeters
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3. Which of the following best describes the STEP button in VEXcode?
- The **STEP** button runs a project the same way the **RUN** button does.
 - The **STEP** button runs a project one block at a time.
 - The **STEP** button stops the project.
 - The **STEP** button saves the project.
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4. Which of the following labels is the x-axis?

- a. A
- b. B
- c. C
- d. The x-axis is not shown in this image.