Exploration: Hypothesize, test, and determine the AI Vision Sensor's field of view while detecting an AprilTag.

1. **Write or draw your hypothesis about the field of view here.** Include details like the size, angle, and shape of the field of view in relation to the robot. Be specific in your hypothesis!

2. **Find the sensor's field of view** by following the steps in the video. As you explore the field of view, discuss the following questions with your group.
    - How would you describe the field of view when detecting an AprilTag compared to that of a barrel? How is it similar or different?
3. **Use your diagram to determine the angle of the field of view in degrees.**
    - Remove the robot from your field of view diagram.
    - Extend the left and right side lines until they intersect.
    - Measure the angle at the intersection, and record it in your journal.
4. **Draw a conclusion based on your data.** How does the field of view you documented compare to your hypothesis? Record a detailed answer in your journal. Discuss this conclusion with your group and come to a consensus together.

Success Criteria

- ☐ Each group member has made a hypothesis.
- ☐ All group members participate in the exploration and discussion.
- ☐ The group reached consensus on their conclusion.