**Maze Challenge Worksheet Answer Key**

**Write down your logic for the programs to be developed for challenges 1 and 2.**

**7 ft**

**start**

**1 ft**

**4 ft**

**1 ft**

**finish**

**1.5 ft**

**Try to calculate the trajectory using the mid-point of the path, and calculate the actual distances (to keep the robot from not hitting the walls).**

**Find detailed solutions for the teacher on slides 19-23 for challenge 1 (without sensors), and on slides 24-29 for challenge 2 (with sensors).**