M319: AP Computer Science Principles   Name: _____

Chapter 1: Algorithms & Abstraction

While Loops   Date: _____ Teacher: _____

While Loops: Level 2 Handout

- Download and open the maze into its own folder.
- Write your algorithm and answer the questions below.
- Enter your algorithm into the .html file to double check that the robot reaches its goal as desired.
- Upload only this PDF to the Schoology assignment.

Question 1: Open robot_blank.html in Chrome and press "Refresh." Press it again. What do you notice?

Question 2: Is it possible to write an algorithm that solves this maze, no matter the size? HINT: Do they all share a common pattern?

Algorithm: Sketch out your algorithm for solving the Part 4 Homework maze(s) below. You can write your algorithm in paragraph form or as a bulleted list.