M319: AP Computer Science Princ	iple
---------------------------------	------

Name: _____

Chapter 1: Algorithms & Abstraction

Maze Puzzles Part 3 HW (Part 2)

Date: _____ Teacher: _____

Maze Puzzles: Part 3 HW

Trace through the following algorithm and indicate which goal the robot will come to rest in. On the map below, mark the pathway the robot will take to reach its goal.

Selection:

Α

В

С

D

Ε

```
function robotInstructions() {
    while (!goalReached()) {
        if (canMove('left')) {
            rotateLeft();
            moveForward();
        }
        else if (canMove('forward')) {
            moveForward();
        }
        if (canMove('right')) {
            rotateRight();
        }
    }
}
```

