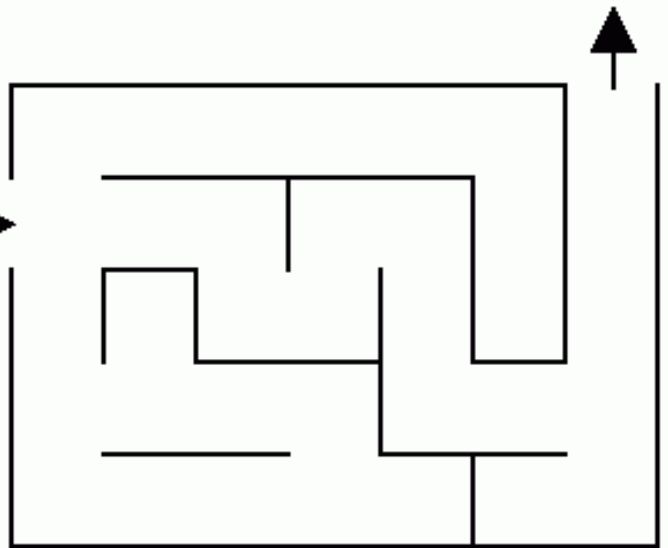
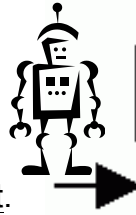


Programming in a Robot Maze:

Name: _____ Period: _____



Problem: You have a little robot that will obey your instructions. What commands do you need to give it to have it exit this maze?



Before you start: Think what set of instructions you will need to teach your robot. Keep in mind it is a fairly simple robot so don't make them too complex (and you cannot just say "solve maze" ;-)

Note: this Maze is on a 10 inch grid, the paths and smallest lines are 10 inches wide.

Your Robot Instructions:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____
22. _____
23. _____
24. _____

Test it out! Trade instructions with your partner and see if you follow the instructions will the robot exit the maze?



- Did your instructions work? Make corrections if you need.
- Were your instructions the same? If you could redesign your instructions, how would you change them?
- Can you write a general instruction that would get your robot out of any maze?

Write down any ideas or changes you would make on the back of this sheet.