

GRAPH PAPER PROGRAMMING II

ASSESSMENT WORKSHEET

Name: _____

Date: _____

You will use this instructions or programming language to program the robotic drawing machine.

→
Move One
Square Forward

←
Move One
Square Backward

↑
Move One
Square Up

↓
Move One
Square Down

⚡
Fill-In Square
with Color

↻ — Change to Next Color

You can create or use functions like these


Look at these “functions.” What do you suppose they do?

- 1. (→ 6)
- 2. (→ ⚡ 6)
- 3. (⚡ → ↓ 6)

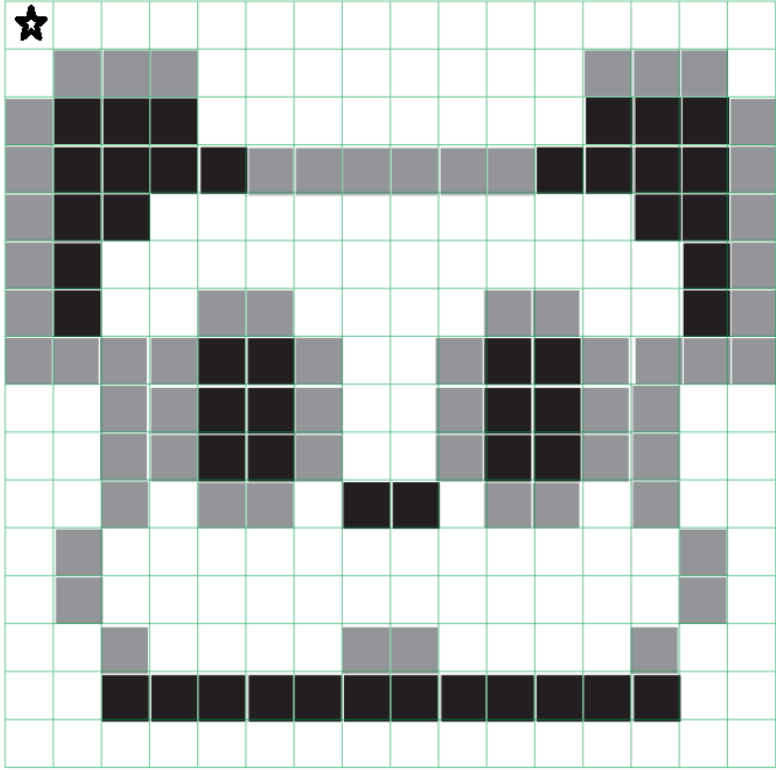
- Answers:
- 1. Move forward six spaces
 - 2. Color 6 blocks in a row
 - 3. Color a diagonal line

■ Color 1

■ Color 2



Start here



Provide the program that would allow our robotic drawing machine to create the following drawing.

Step 1	2	3	4	5	6	7	8	9	10
Step 11	12	13	14	15	16	17	18	19	20
Step 21	22	23	24	25	26	27	28	29	30
Step 31	32	33	34	35	36	37	38	39	40
Step 41	42	43	44	45	46	47	48	49	50