

Name.....Class.....

I know LOTS about Logo!

Logo is a computer language that lets you draw on the screen. The commands you give move a 'turtle' around the screen, drawing lines as it moves. It looks like this: Answer all the questions on this sheet about Logo.



Q1. What do these Logo commands mean? The first one has been done for you. (6 marks)

- pd pen down
rt bk
lt fd
cg pu

Q2. I want to make the turtle move forward one hundred steps. Write down the correct command. (2 marks)

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Q3. What does the command rt 90 do? (2 marks)

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Q4. What shape will the following Logo program draw?

```
pd
fd 100
rt 90
fd 100
rt 90
fd 100
rt 90
fd 100
rt 90
```

a) This program will draw.....(2 marks)

b) Give a reason for your answer.....

.....

.....

.....

.....(3 marks)

Q5. An easier way to write a program is to use the repeat command. It saves you having to type in the same command over and over. Look at this simple Logo program:

```
repeat 360 [ fd 1 rt 1 ]
```

a) What shape does it draw?.....(2 marks)

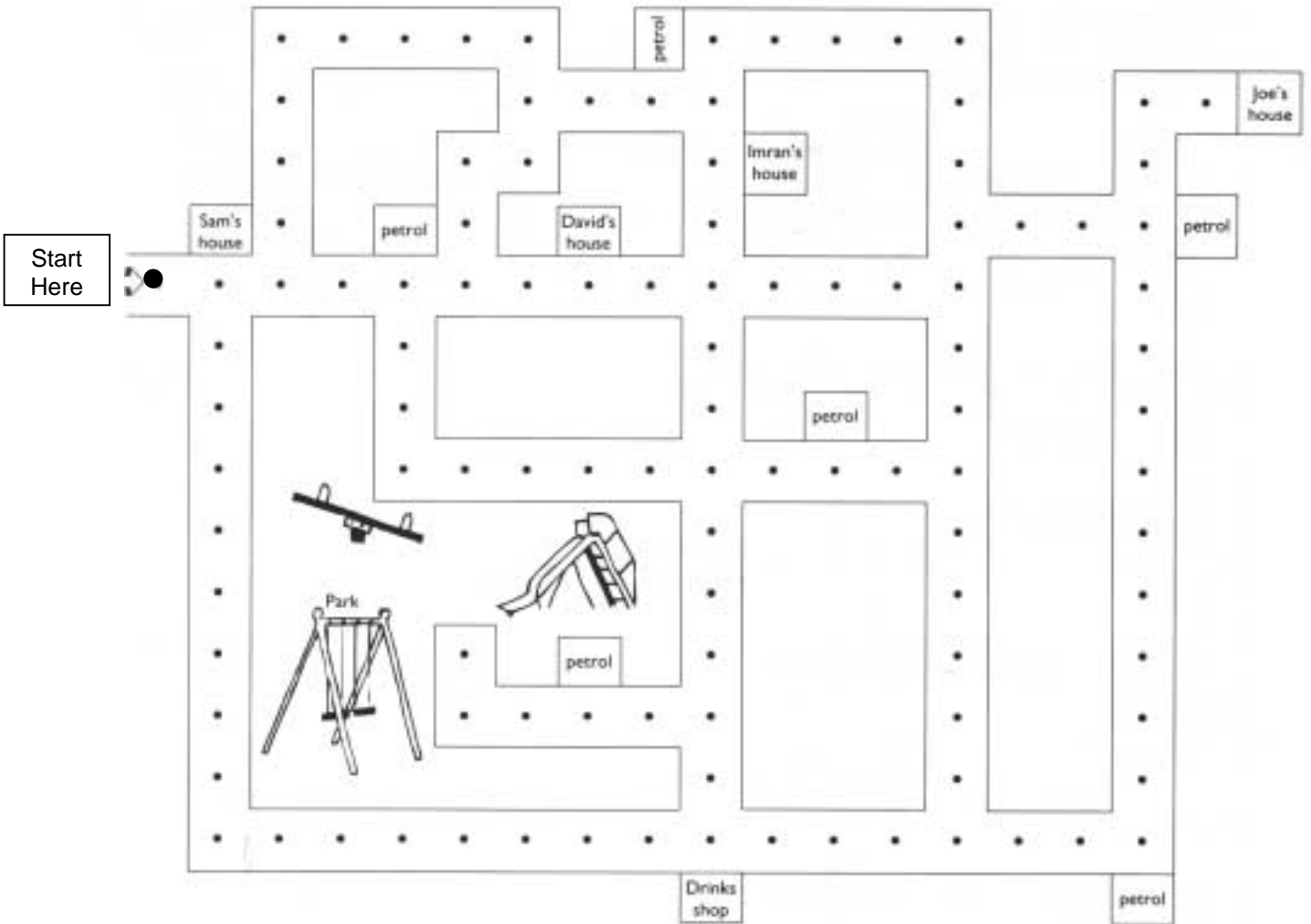
b) Give a reason for your answer.....

.....

.....

.....(3 marks)

Logo journeys



Starting from the dot in front of the arrow, follow these Logo commands. Write down where you stop. The first one has been done for you. Continue on from where you have stopped. Try to remember which direction the turtle is facing. Drawing arrows on the map might help you.

- a) `pd, fd 7` David's house _____
- b) `fd 2, rt 90, fd 9` _____ (2 marks)
- c) `lt 90, fd 7, lt 90, fd 12, rt 90, fd 1` _____ (2 marks)
- d) `rt 180, fd 1, lt 90, fd 2` _____ (2 marks)
- e) Now write the Logo commands to get to Imran's house.

_____ (3 marks)

- f) Now write the Logo commands to get back to Sam's house.

_____ (3 marks)