Q1. In terms of characters being printed out what is the difference between -1 and 1?

-1 prints out 2 characters (‘-‘ , ‘1’) and 1 prints out 1 characters.

Q2. What general mathematical function can you think of to handle negative numbers in terms of positive numbers’ characters?

Absolute function could handle negative numbers in terms of positive numbers’ characters.

Q3. What is the C equivalent code?

int mystery(int n) {

if (n == 0)

return 0;

else

return 2\*mystery(n-1)+1;

}

Q4. What is printed as the result of mystery (7)?

127

Q5. What is printed as the result of mystery (32)?

-1