PART I a)

1) You ain't got foo!

2) Nothing will be displayed.

PART I b)

1) 5 does not divide 12 evenly

ok

2) 23 does divide 23 evenly

ok

PART I c)

1) Yes. If x<0, (Math.pow(x,2)+Math.pow(y,2)+Math.pow(z,2) <= 1), and (Math.pow(x,2)+Math.pow(y,2)+Math.pow(z,2) > 1) are all false, then alert("Maverick") will execute.

2) If (x >= 0) and (Math.pow(x,2)+Math.pow(y,2)+Math.pow(z,2)<=1), then alert("goose egg") will run.

3) Minimum: 2 snippets. Maximum: 2.

PART II a)

var average = prompt("What is your average (out of 100)?");

if (average >= 73) {

console.log("Your grade is satisfactory.");

} else {

console.log("Your grade is unsatisfactory.");

}

b) (append this to the end of the if statement) else {

document.getElementById("demo").innerHTML = "<b><i> YOU'RE NOT JOHN!!</i></b>"

} (computer proceeds to explode with anger)

c) if(age > 18) {

console.log("Old enough");

} else {

console.log("Too young")

}

d) rewrite the if statement as follows:

if (hour<18) {

greeting = "Good day";

} else {

greeting = "Good evening";

}