Structured Programming Quiz 1V4

Student Name /ID:

**Q1: What is the output of the following code:**

#include<stdio.h>

float a = 3.5;

int x = 4;

float f1(float a) {

int x=1;

return (a \* 2 - 40 / 10+ x);

}

int f2(int x) {

return ( x/3 + a);

}

int main(){

float b, c;

int y, z;

b = f1(a);

c = a \* 2 + 5 / 3 ;

x = 18 / 2;

y = 10 \* 5 - (2 + 3) \* 4;

z = f2(x);

printf(" a = %f \n b = %f \n c = %f \n", a, b, c);

printf(" x = %d \n y = %d \n z = %d \n", x, y, z);

return 0;

}

Q2: Write a function that takes two double values, a and b , as inputs. The function should compute and return the result R using the following formula:

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R=