CISS240: Introduction to Programming
Quiz q0304

Name: _____ Score: ____

This is a closed-book, no compiler, 2 minute quiz.

Q1. Write down the *last* line of output and the final value of `i` and `s`. The repeating chunk of code repeats 4 times (i.e. it appears 5 times).

```
int i = 10, s = 0;

s = s + i;
i = i - 2;

s = s + i;
i = i - 2;

... THE ABOVE REPEATING CHUNK OF CODE REPEATS 4 TIMES IN TOTAL ...
```

(a) Final value of `i`:
Answer:

(b) Final value of `s`:
Answer:

Q2. Which of the following are valid variable names? If (a),(b),(e) are the only valid variable names, write `a,b,e` in that order.

(a) `wassup`
(b) `noway!`
(c) `as_far`
(d) `as3 far4`
(e) `5as_6far`
(f) `_as_far_`
(g) `gimme$`
(h) `RETURN`

Answer:

Q3. T or F or M. For the following write T for true and F for false (ignore M).
The output of the following code fragment

```
int inheritance_from_uncle = 1000;
int amt_of_$_in_wallet = 10;
int total_wealth = inheritance_from_uncle + amt_of_$_in_wallet;
std::cout << total_wealth << '\n';
```

is

```
1010
```

Answer:

Q4. Here's a code fragment

```
int i = 0, j = 0;

j = j + i;
i = i + 1;

j = j + i;
i = i + 1;

j = j + i;
i = i + 1;
```

Note that there is a chunk of repeating code that appears 3 times. If the goal is to compute $0+1+2+3+4+5+6+7+8+9$ and store this value in variable `j`, how many times must the repeating chunk of code appear? If you think $0+1+2+3+4+5+6+7+8+9$ cannot be computed by repeat the above chunk of code, write ERROR.
Answer: