

CISS240: Introduction to Programming
Quiz q1903

Name: _____

Score:

This is a closed-book, no C++ compiler, 6-minute quiz.

Q1. Write a function `sign()` that accepts a `double x` and return 1, 0, or -1 (integer) depending on whether `x` is greater than 0, is equal to 0, or is less than 0 respectively. In other words, the following code segment

```
std::cout << sign(5.3) << ' ' << sign(0.0) << ' ' << sign(-1.1);
```

will produce the output

```
1 0 -1
```

ANSWER:

```
    sign(          )
{
}

```

Q2. Write the function `swap` so that the following

```
double x = 1.1, y = 2.2;
swap(x, y);    // x becomes 2.2 and y becomes 1.1
```

ANSWER:

```
    swap(          )
{
}

```

Q3. Write the function `cut_tens` so that the following

```
int x = 1234, digit;
digit = cut_tens(x); // digit is 3 and x becomes 124
```

will “cut out” the digit in the tens place from `x` and return this digit. ANSWER:

```
    cut_tens(      )
{
    int digit = ???;
    x = ???;
    return digit
}

```

| }
