CISS240: Introduction to Programming
Quiz q0902

Name: _____   Score: _____

Q1. Rewrite the following code fragment using the switch statement efficiently. Variables x of int type and variable y of char type are already defined.

```
int x;
char y;
std::cin >> x;
if (x == 1)
{
    y = 'a';
}
else if (x == 2)
{
    y = 'b';
}
else if (x == 3 || x == 4)
{
    y = 'd';
}
else
{
    y = 'e';
}
```

ANSWER:

Q2. Rewrite the following code fragment using the ternary operator.

```
double x;
std::cin >> x;
if (x > 1.0)
{
    x = 1.0;
}
```

(The code "clips" x to a maximum of 1.0 to prevent it from being too large. Clipping is a very common operation.)
ANSWER:

```
x = (    ?    :    );
```