CSE 202, Winter 2018: Quiz 8

1. (1 point) What is each definition inside of an enumeration called?

> **Solution:** enumerator

2. (2 points) What are the two possible *types* of values that any instantiated `std::bitset` can be initialized with?

> **Solution:** `unsigned long int` and `std::string`

3. (1 point) For a bitset whose string representation is "1100101", what bit value is at index 2?

> **Solution:** 1

4. (4 points) What does the following code output?

```
bitset<4> b1("1001");
bitset<4> b2("0101");
cout <<
        (~b1) << ' ' <<
        (b1 & b2) << ' ' <<
        (b1 | b2) << ' ' <<
        (b1 ^ b2) << ' ' <<
        endl;
```

> **Solution:** 0110 0001 1101 1100

5. (1 point) What is the maximum size of a bitset such that it can be safely converted to an integer on any machine?

> **Solution:** 32