Understanding Bitwise Operators

1. 0xf0 & 0xc3

2. 0xf0 | 0xc3

3. ~0xf0

4. 0xf0 << 2

5. 0xf0 >> 2

6. 0xf0 >>> 2

7. You need to determine if the 3rd bit of an integer is 0 or 1. What code can you insert below that would make the following code work.

```
uint x = some value;

int bit =




if (bit == 1) {
    do stuff
}
```