

## Basic Expressions in C++ -- you'll see a few more later

( )	parentheses just as normal
log(...)	etc, functions with values.
~ ! + -	UNARY operators
* / %	multiply divide remainder
+ -	add subtract
< > <= >=	comparisons -> bool
== !=	equal and not-equal comparisons
&	bitwise and
^	NOT to the power of but exclusive or
	bitwise or
&&	logical and
	logical or

false && false = false	logical and
false && true = false	
true && false = false	
true && true = true	
false    false = false	logical or
false    true = true	
true    false = true	
true    true = true	
! false = true	logical not
! true = false	

examples on next page

64	32	16	8	4	2	1		
<hr/>								
0	0	1	0	1	0	1	= 21	
0	1	0	1	0	1	1	= 43	
0	1	1	1	1	1	0	= 62 = 21 ^ 43	exclusive or
0	1	1	1	1	1	1	= 63 = 21   43	bitwise or
0	0	0	0	0	0	1	= 1 = 21 & 43	bitwise and
1	0	1	0	1	0	0	= 84 = ~ 43	bitwise not