Study Guide - Expressions

Definition

- An expression is a sequence of one or more operands and zero or more operators that can be evaluated to a single value. Expressions can consist of a literal value, a method invocation, an operator and its operands, or a simple name.

Arithmetic Operator Precedence

- Which operator is evaluated first then second. Override with parenthesis ()
```
First: *  /  %
Second: + -
```

Examples

Base variables:

int i = 7; bool done = true;	string name = "Bob"; int bonus = 20;	int score = 32; string last = "Hope";

Expression?	Value or Not?	Expression?	Value or Not?
1 + 2		(done && i < 10)	
i + 1		string player;	
bonus > 20		i	
if (name == "Al")		bonus != "20"	
dune		score == 4 || bonus == 7	
i * 4 + 3		13	
i + 3 * 4		name + " " + last	
(i + 3) * 4		ture	
"Robert"		score <= bonus	
Convert.ToString(i)		"High " + score + 1	