

## Evaluating algebraic expressions :

### **Algebraic expression**

An algebraic expression is a mathematical phrase that can contain numbers, variables, and operational symbols.

### **Evaluate**

To evaluate an algebraic expression, substitute values for variables to calculate an overall value of the expression.

### **Absolute value**

The absolute value of a real number  $a$ , denoted by  $|a|$ , is the distance between  $a$  and  $O$  on a number line. Remember that when you take the absolute value of something it is always positive.

### **Square roots**

When simplifying square roots, you find the perfect square that is under the radical sign. The first 15 perfect squares are 1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, and 225. Memorize these numbers!