

Evaluating Algebraic Expressions



$$6 + 2x$$

Variable:

Is a quantity that can change or vary.

Mathematicians use letters to represent variables.

Constant:

A quantity that does not change.

Expression:

Is a mathematical phrase involving constants, variables, and operation symbols.

Evaluate each expression for $x=1$, 2, and 3.

x	$x + 5$
1	
2	
3	



Evaluate each expression for $x=3$, 4, and 5.

x	$11 - x$
3	
4	
5	

Evaluate each expression for $x=6$, 7, and 8.

x	$4x + 8$
6	
7	
8	

Evaluate each expression for $x=2$, 4, and 6.

x	$12/x + 2x$
2	
4	
6	

Evaluate each expression for $x=1$, 2 , and 3 .

x	$x^2 + 1$	$2x$	$18/x$
1			
2			
3			

Evaluate each expression $x = 3, 4, 5$.

1. $7x$

2. $15 - x$

3. $60/x$

4. $x + 23$

Evaluate each expression for $n = 5$.

1. $9n - 9$

2. $(3n + 5n)10$

3. $12 \times n/2$

