

To evaluate an algebraic expression when given a value for a variable:

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1. Substitute a number (value) for the variable.

2. Use the order of operations!

Example 1:  
 $n = 3, n + 7$   
 $3 + 7$   
10

Example 2:  
 $x = 5, 3x - 2$   
 $3(5) - 2$   
 $15 - 2$   
13

Example 3:  
 $y = 2, 6y^2 + 2y$   
 $6(2)^2 + 2(2)$   
 $6(4) + 4$   
 $24 + 4$   
28