In Review part i), how are the numbers 8 and 3 connected to the value of a (i.e. 6), the value of b (i.e. 11) and the value of c (i.e. 4)?

In Review part ii), how are the numbers 9 and -8 connected to the value of a (i.e. 12), the value of b (i.e. 1) and the value of c (i.e. -6)?

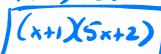
The method of factoring $ax^2 + bx + c$ by splitting the value of b into two integers whose product is ac and whose sum is b is called the **method of decomposition**.



Factor, using the method of decomposition, and compare the answers with (5,2)

Class Examples #1 and #2.

a) $2x^2 + 7x + 6$











Factor.

a) $15 - 7y - 2v^2$

b) $15k^2 + 5k - 10$ **6CF** 1**s**+

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