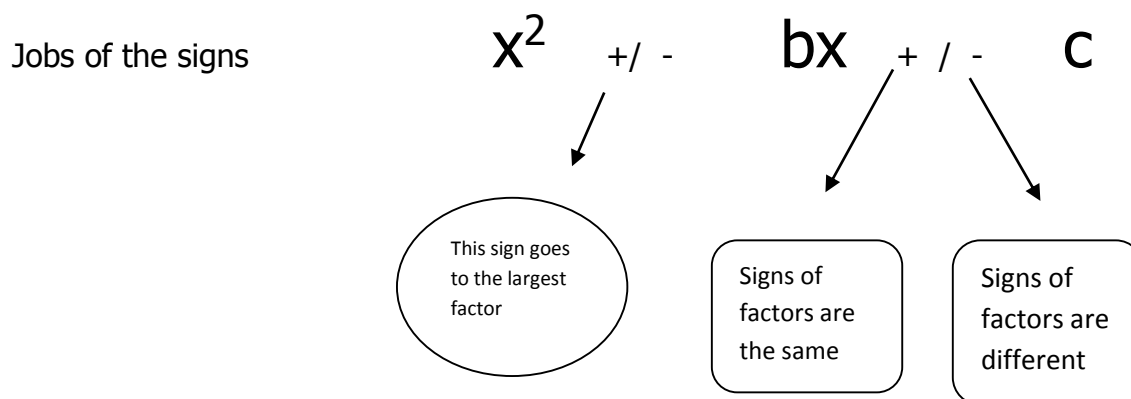
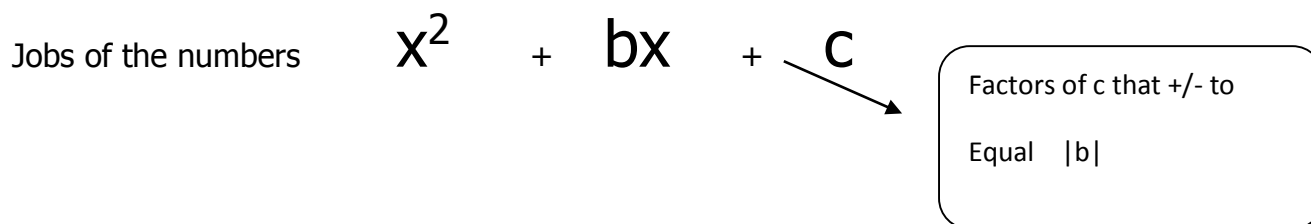


## 7.2 Factoring Trinomials of the type $x^2 + bx + c$



- If possible, always factor out a GCF first.

Examples: Factor each expression.

1.  $x^2 + 7x + 10$

2.  $y^2 + 21y + 20$

3.  $a^2 - 13a + 30$

4.  $x^2 - 9x + 20$

5.  $y^2 + 13y - 48$

6.  $y^2 + 8y - 20$

7.  $p^2 - 2p - 24$

8.  $X^2 - 10x - 39$

9.  $x^2 - 4xy - 77y^2$

10.  $a^2 + 11ab + 24b^2$

11.  $-6a^2 - 24a - 18$

12.  $q^2 + 3q - 16$

13.  $4s^2 - 28st + 12t^2$

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