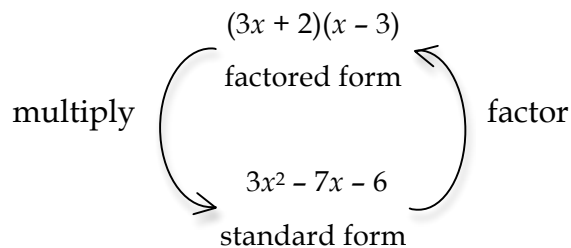


Factoring Polynomials of the Form  $ax^2 + bx + c$ **Factor Trinomials of the Form**  $ax^2 + bx + c$ **Slip and Slide Method:**

- 1) Factor out the GCF, if possible.
- 2) If  $a \neq 1$ , then "slip" it to the back of the polynomial and multiply  $a$  by  $c$ .
- 3) Factor the new trinomial
- 4) Divide both factors by  $a$ .
- 5) Reduce the fractions and "slide" the denominators in front of the variables.

**Factor each polynomial.**

1.  $3x^2 + 7x + 2$

2.  $3x^2 + 14x + 8$

3.  $5m^2 - 17m + 6$

4.  $6y^2 - 5y - 4$

5.  $6t^2 + 4t - 2$