

Factor Polynomials; $a \neq 1$

$$ax^2 + bx + c$$

Trial & Error

Pick factors that work for the quadratic and constant terms, a & c then check to see if when multiplied out, we get the linear term. If not, try different locations within the binomial. If that doesn't work, try different factors.

1. $6x^2 + 7x + 2$

2. $3x^2 + 17x - 20$

3. $10x^2 + 11x + 3$

4. $10x^2 + x - 3$

5. $6x^2 + 7x - 5$

6. $2x^2 - x - 1$

7. $20x^2 - 34x + 12$