



# Factoring Trinomials

Section 10.6

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# Steps to Follow

1. LOOK FOR GCF
  - Factor it out if there is one
2. Multiply the a term by the c term
3. Rewrite a new polynomial (with  $a = 1$ )
  - Factor it like normal
4. Divide by the a term as needed
  - Reduce fractions and rewrite parentheses

# Examples

1.  $2x^2 + 11x + 5$

2)  $3x^2 - 4x - 7$

# Examples

3.  $2x^2 + 21x - 11$

4)  $6x^2 - 19x + 15$

# Examples

5.  $6x^2 - 2x - 8$

6.  $8x^2 - 14x - 15$

# Solving Quadratics

7.  $3x^2 + 5x + 2 = 0$

8.  $7x^2 - 4x = 3$