

The "ac"
method:

Factor $-2x^2 + 9x - 9$

- 1) Multiply the coefficients of a and c
***a is negative -- need to do something first!**
- 2) Find factors of that product that create the middle term
- 3) Rewrite the middle term with those factors
- 4) Factor by grouping
- 5) FOIL to check

Practice:

Factor each polynomial:

- 4) $-3a^2 - 7a - 4$ 5) $-3b^2 + 8b + 16$ 6) $-8c^2 + 6c - 1$

Solve equations:	Solve the equation: $3w^2 + 7 = -22w$ Steps: 1) Set equation equal to zero 2) Factor a) GCF or b) $x^2 + bx + c$ or c) $ax^2 + bx + c$ 3) Zero Product Property 4) Solve
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HW:

- 1) Review your notes. Pull out main ideas and write these in the left column.
- 2) Write your summary (helpful hints below)

due Wednesday

Draw a line under your notes. Write a summary of your notes.

Components of a quality summary:

1. Essential Question is answered or addressed
2. Question in the left column answered
3. Content of notes is briefly reviewed
4. Key terms (or rules or steps) are included