TRINOMIAL (STANDARD FORM)

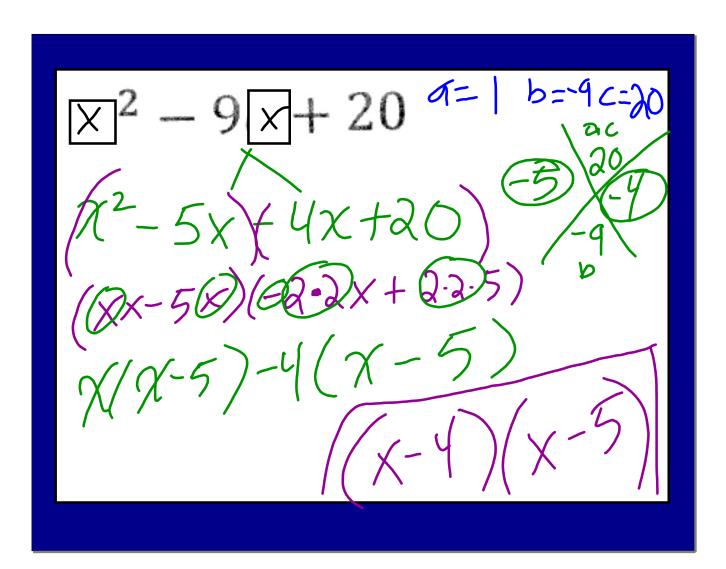
$$ax^2 + bx + c$$

$$(ax^2 + bx + c)$$

Steps:

- 1. Check that the trinomial is in the correct order. χ^2 a F ront
- 2. Check for GCF@end*
- 3. Multiply <u>a</u> times <u>C</u>
- 4. Find £wo_in +ege(5)
 whose product is a . C and
 whose sum is ____ (helps to /
 list them all out)
- 5. Use the two integers to ______ the middle term into two
- Separate terms.
 - 6. Factor using the

Fixamples:
$$a = |b| = 6 = 5$$
 $x^2 + 6x + 5$
 $(x^2 + 1x) + 5x + 5$
 $(x + 1x) + 5x + 5$
 $(x + 1x) + 5$
 $(x + 1) + 5$



$$m^{2} + 4m - 21$$
 $\sigma = 1b - 4c - 21$ $(m^{2} + 7m(-3m - 21) + 74 - 3)$ $(mm + 7m)(-3m - 7(3) + 7(3) + 7(3))$ $(m+7) - 3(m+7)$ $(m+7)(m-7)$

