# Multiply to 6 AND Add to 5

# Multiply to 18 AND Add to -9

# Multiply to -30 AND Add to -13

# Multiply to 27 AND Add to 12

# Multiply to -10 AND Add to -9

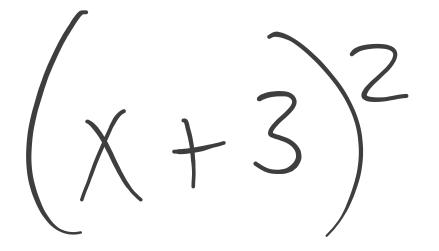
# Multiply to 24 AND Add to -10

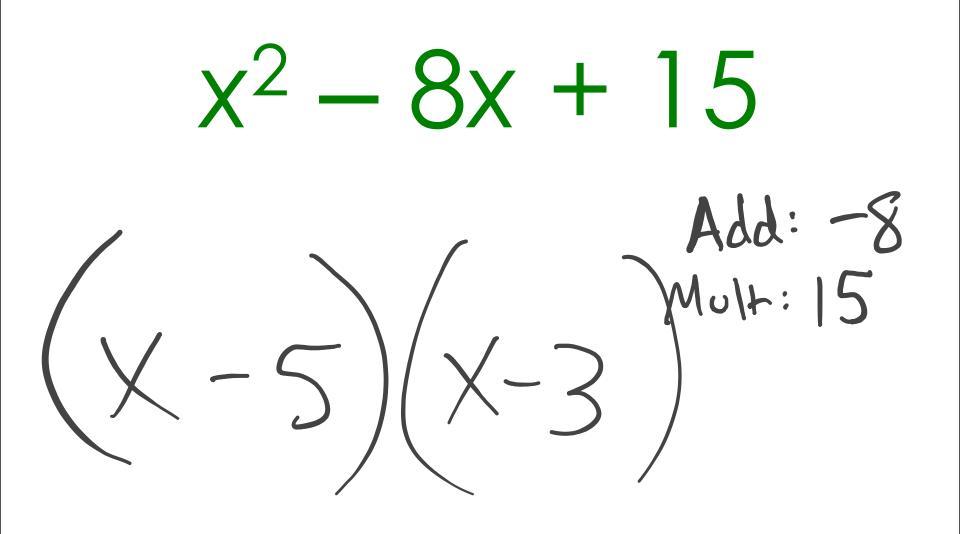
# Multiply to 100 AND Add to 20

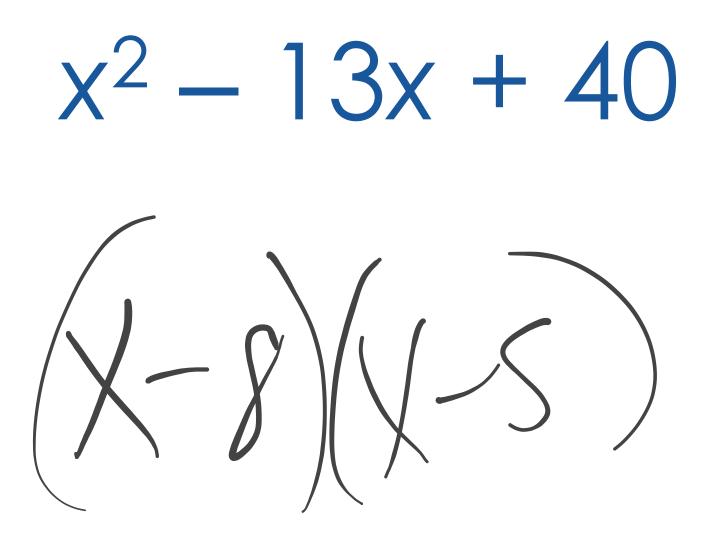
# Multiply to 169 AND Add to 26

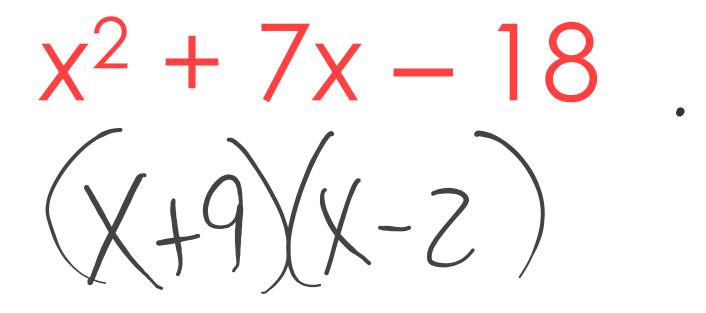
# Multiply to -29 AND Add to -28

# $x^2 + 6x + 9$

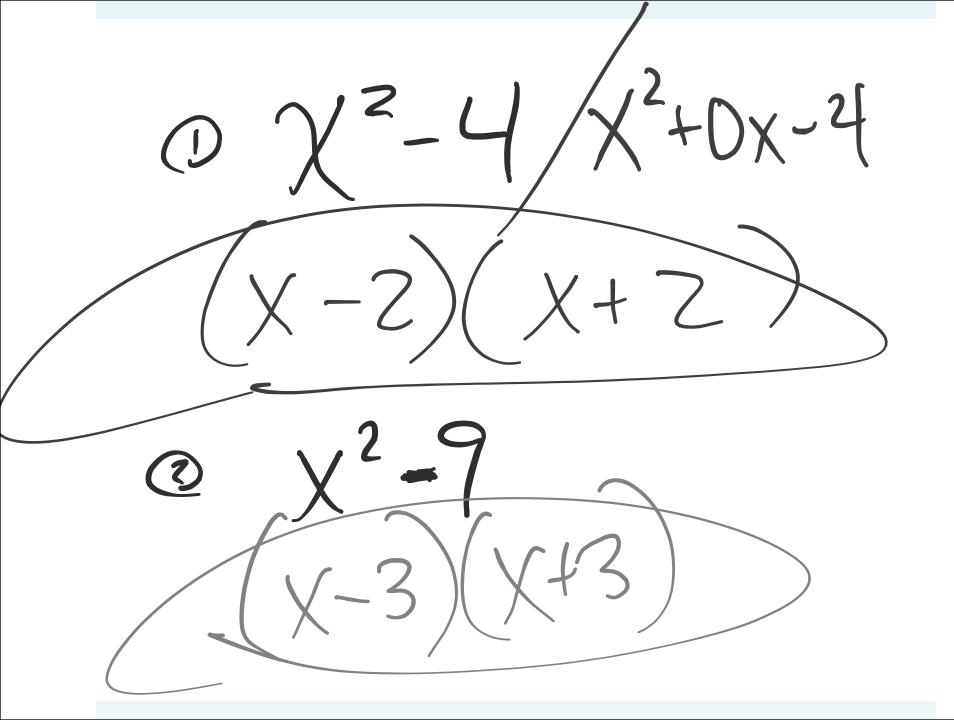


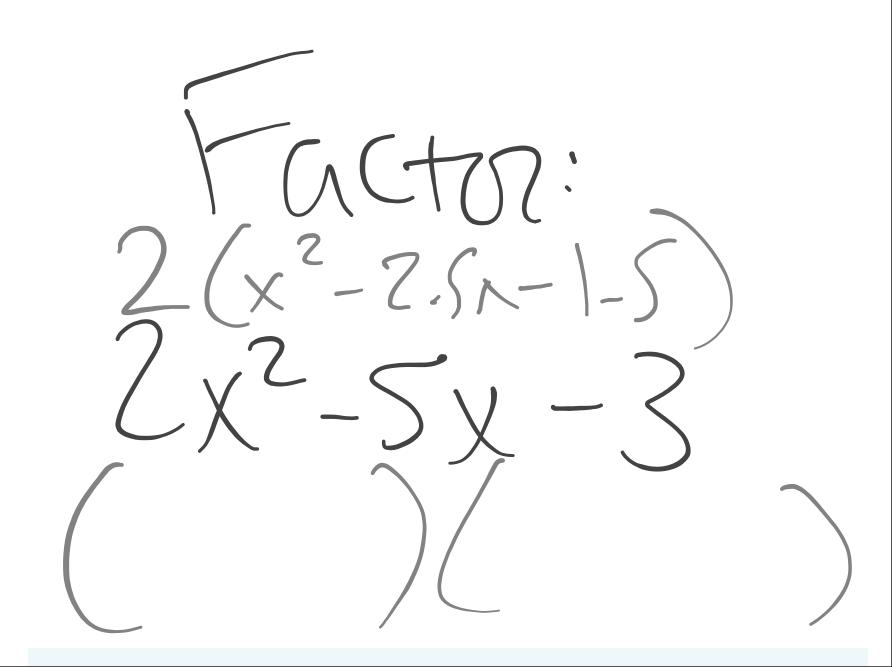


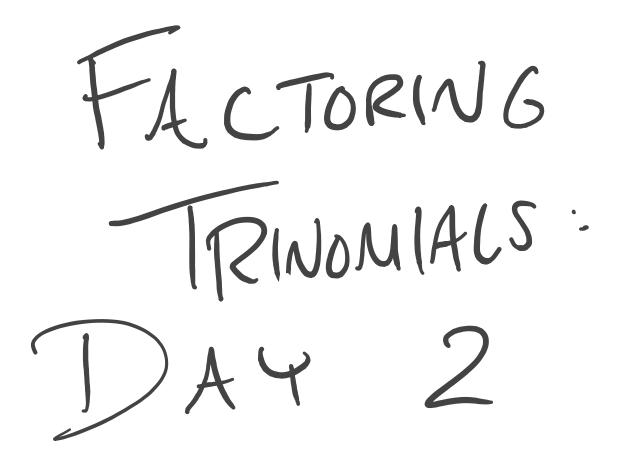




 $( ) X^{2} - 12x + 20 ( X - 10) ( X - 2)$ (2)  $X^2 - 12x + 32 (X - 8) (X - 4)$ (3)  $X^2 - 9x + 20(X - 5)(x - 4)$ 

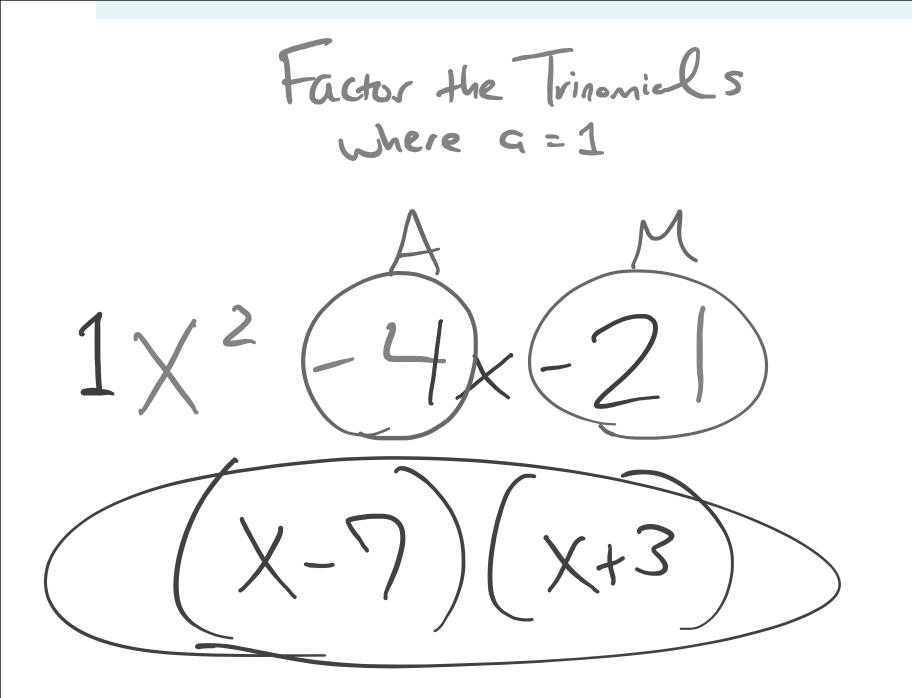


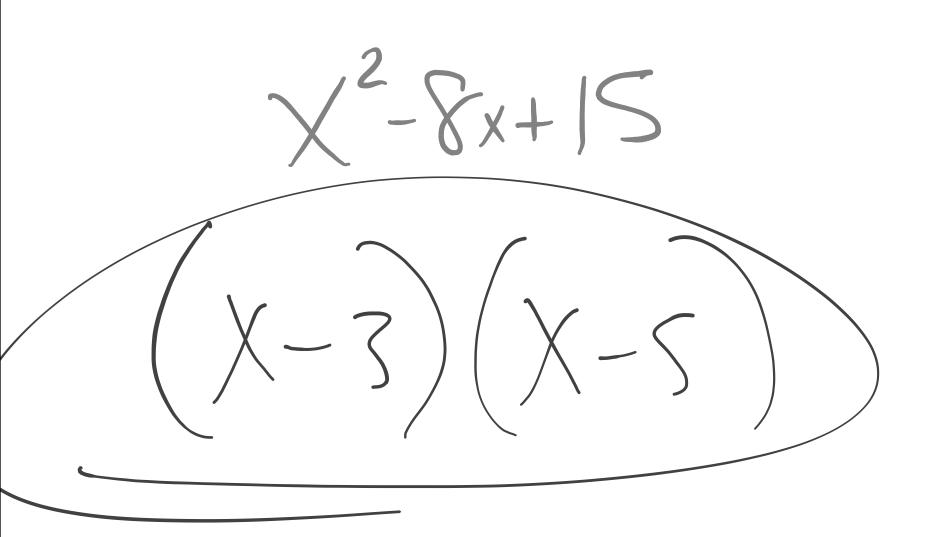


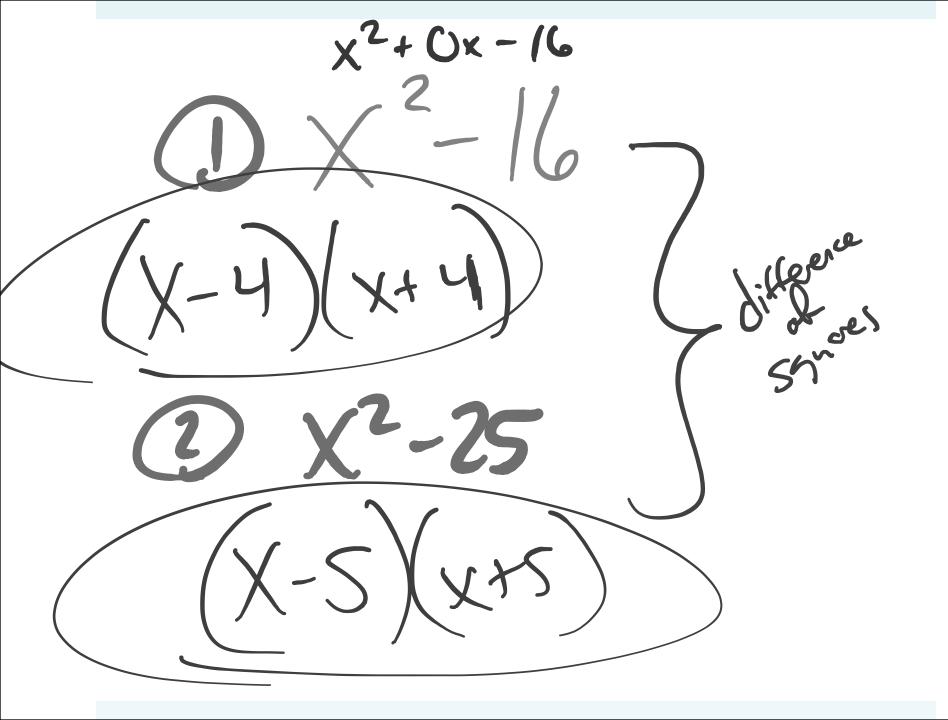


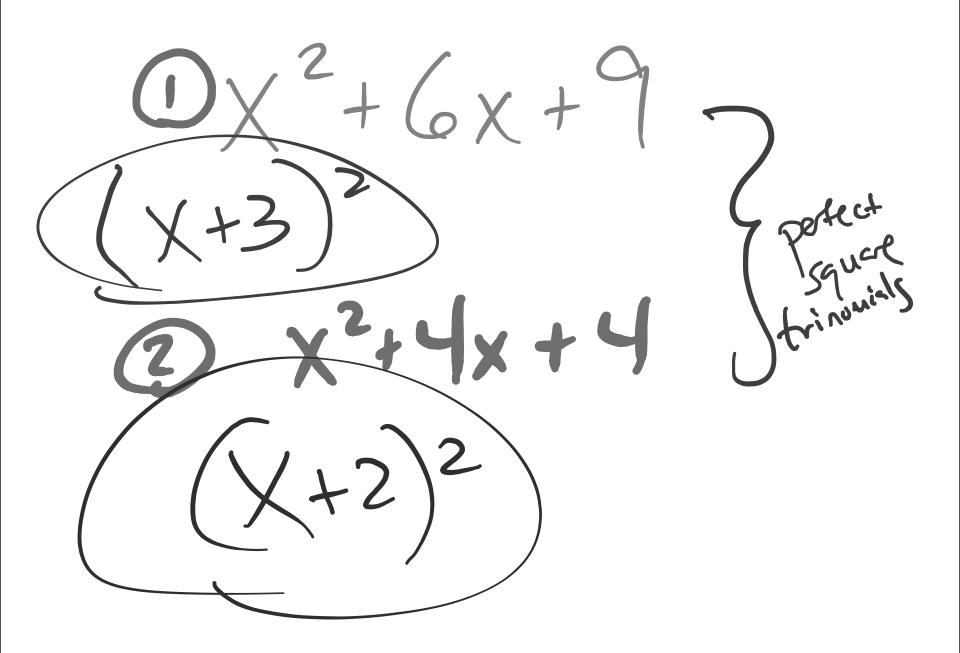
Factor by Grouping 5r - 10 + 2r - r'5(r-2) + r(r-2)(5-)(-2)

 $(10x^{3} + 4x - 25x^{2} - 10)$  $(10x^{3} + 4x - 25x^{2} + 4x - 10)$  $5x^{2}(2x-5)+2(2x-5)$  $(5x^2+2)(7x-5)$ 



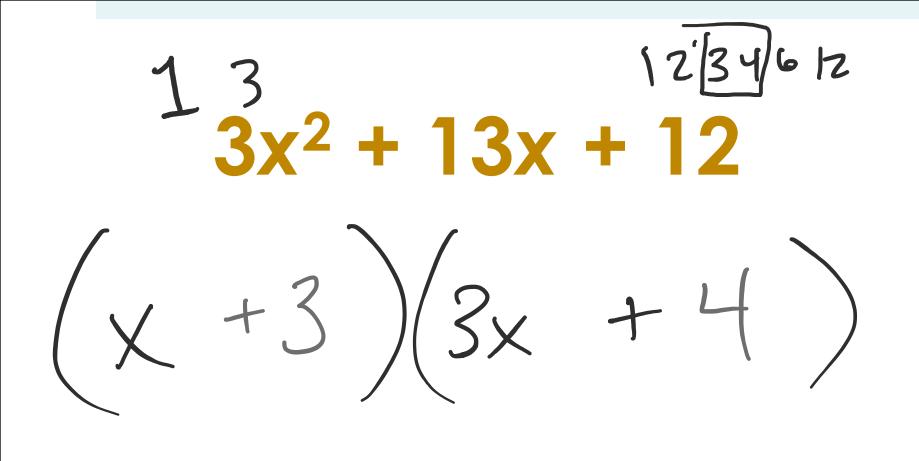


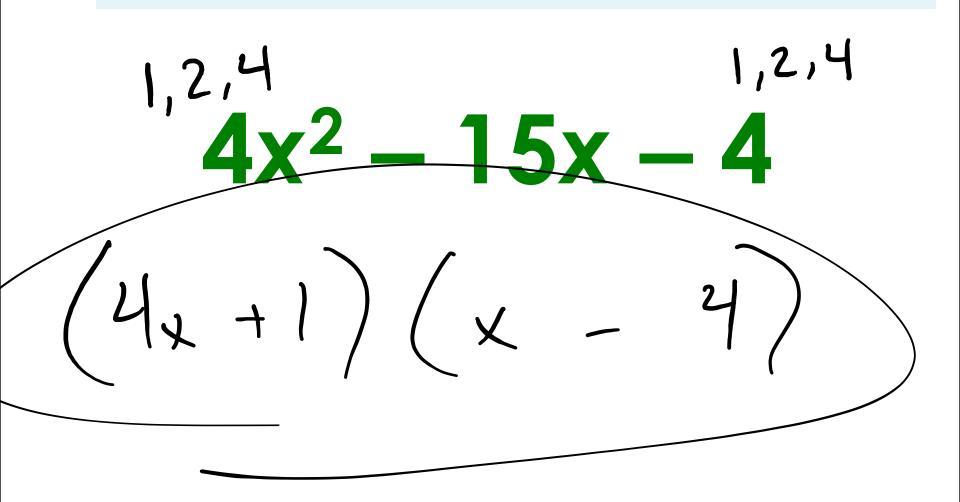


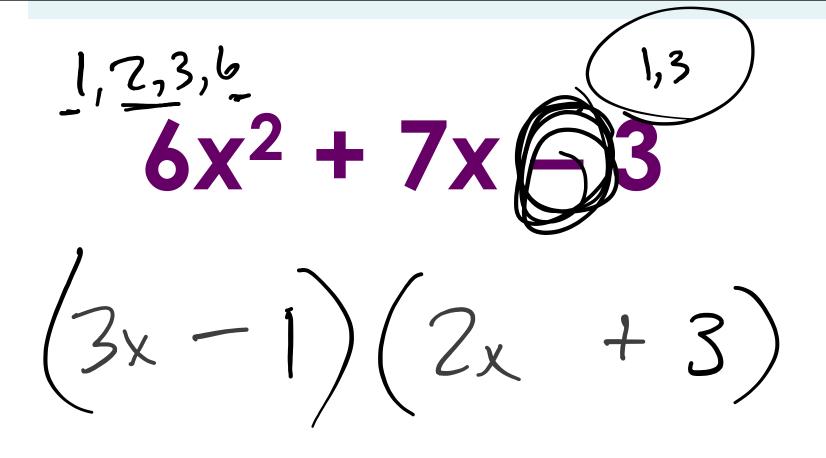


Factor trinomials of the form ax2+6x+c where  $C \neq 1$ USING "professionel" guess + check

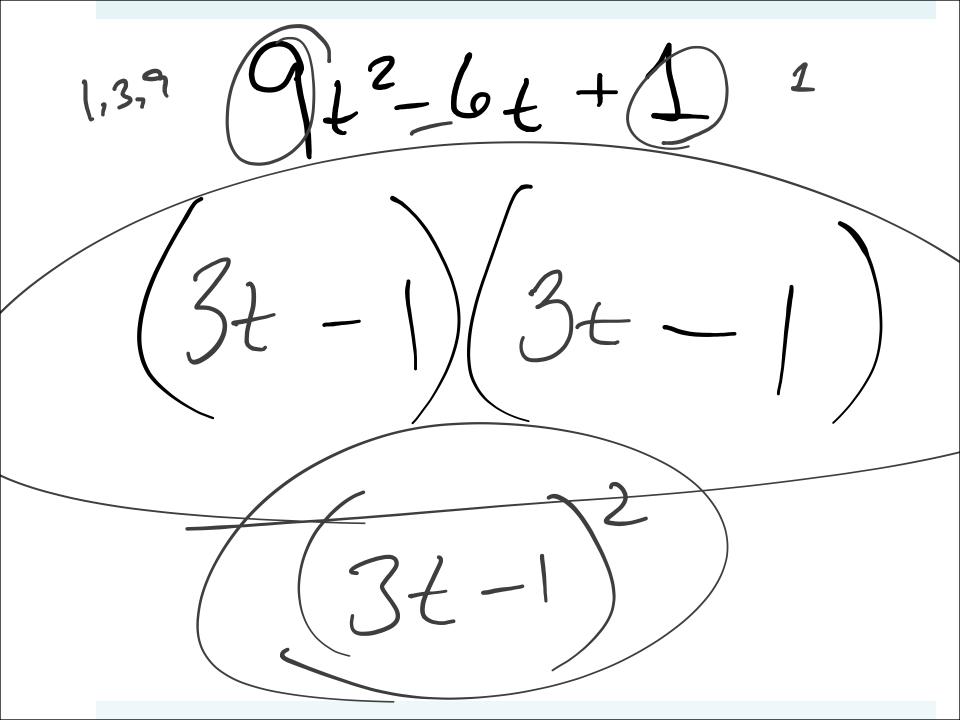
 $6x^2 + 17x + 5$ D FIND Factors of 6 + 5 2) What should the signs be? Guess + Check







 $2 \times 215 \times 25$ 2+1 5+5 1+25 2×



 $6x^{2} + 17x - 14$  7,3,6 7,2,7,14

(2)  $2x^2 - x - 1$  (2x+1) (x-1) 3  $2x^2 + 9x + 7(2x + 7)(x + 1)$ 

Factoring trinomials of the form  $ax^2 + 5x + C$ where  $a \neq 1$ NOT USING GUESSZ Check (we will do on Monday)