Review of Factoring

#1-4 - Difference of squares

Ex. $x^2 - 9 = (x+3)(x-3)$

#5-8 - Trinomials ($a=1$)

Ex. $x^2 + 3x - 28 = (x+7)(x-4)$

-28

$+7 \quad -4$

3

#9-12 - Trinomials ($a \neq 1$)

Ex. $3x^2 - 2x - 8 = (3x+4)(x-2)$

#13-16 - Grouping

Ex. $6x^3 + 4x^2 - 15x - 10$

$2x^2(3x+2) - 5(3x+2)$

$(3x+2)(2x^2-5)$