

Factoring Review

① GCF = Greatest Common Factor

A $x^2 - 4x$
 ~~$(x)(x) - (x)(4)$~~
 $(x)(x - 4)$

B $2x^2 + 2x - 8$
 ~~$(2)(x^2) + (2)(x) - (2)(4)$~~
 $(2)(x^2 + x - 4)$

② Easy Trinomial

A $x^2 + 7x + 6$ add
 $(x+1)(x+6)$
 1:6
 2:3

B $x^2 - 8x + 20$ subtract
 $(x+2)(x-10)$
 1:20
 2:10
 4:5

③ Difficult Trinomial

A $2x^2 + 11x + 5$ multiply
 $(2x+1)(x+5)$
 $(2x+1)(x+5)$
 $(2x+1)(x+5)$
 $(2x+1)(x+5)$
 1:10
 2:5

B $3x^2 + 11x - 4$ subtract
 $(3x-1)(x+4)$
 $(3x-1)(x+4)$
 $(3x-1)(x+4)$
 $(3x-1)(x+4)$
 -1:12
 2:6
 3:4

④ Difference of two squares

A $x^2 - 81$
 $(x+9)(x-9)$

B $9x^2 - 49$
 $(3x+7)(3x-7)$

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