

Factoring Quadratics

****Always look to pull out GCF if possible!!!**

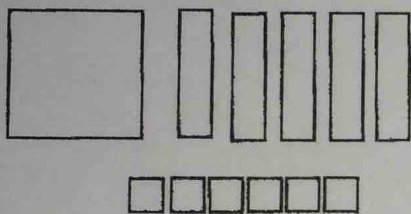
greatest common factor

Factoring means to rewrite the expression as a PRODUCT (a multiplication).

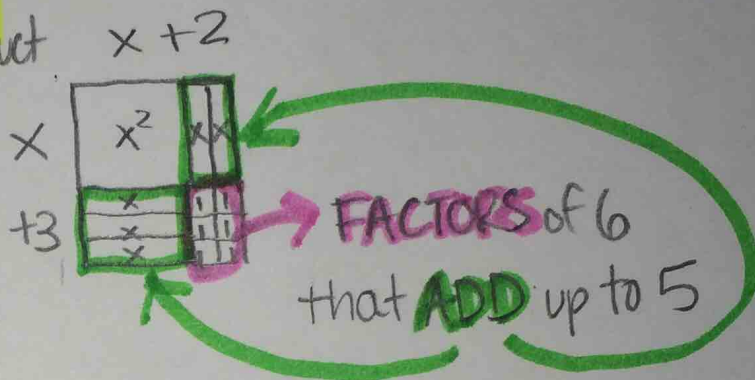
For a quadratic, this means to find the dimensions of a rectangle formed with the area.

Example: $x^2 + 5x + 6 = (x+2)(x+3)$

Area as a sum



Area as Product



Example: $2x^2 + 2x - 24$

$= 2(x^2 + x - 12)$

$= 2(x+4)(x-3)$

