Essential Question 3/2/2021

How can I factor quadratic trinomials when A > 1?

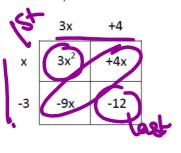
Learning Target

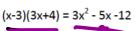


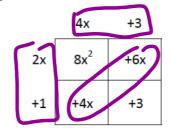
Factor Quadratic Trinomials when A > 1

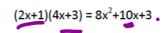


What do you observe in the following Area Models?







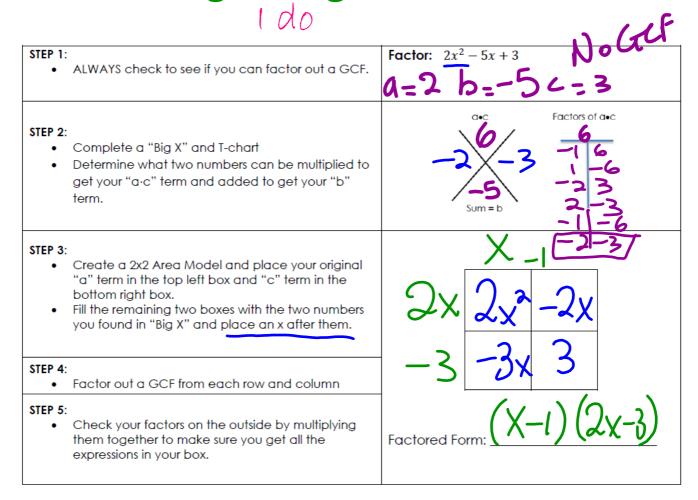


Factoring is the

Inverse

distributing or multiplying.

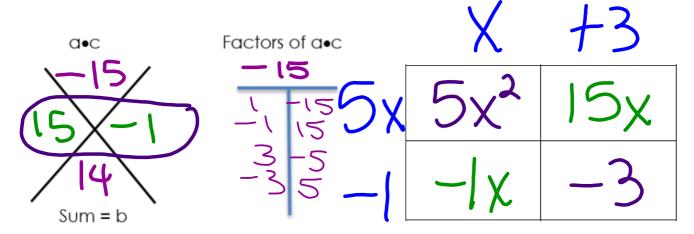
Factoring Using Area Model



We do

Using the Area Model. Factor the following trinomials. $a=5;b_14;c=-3$

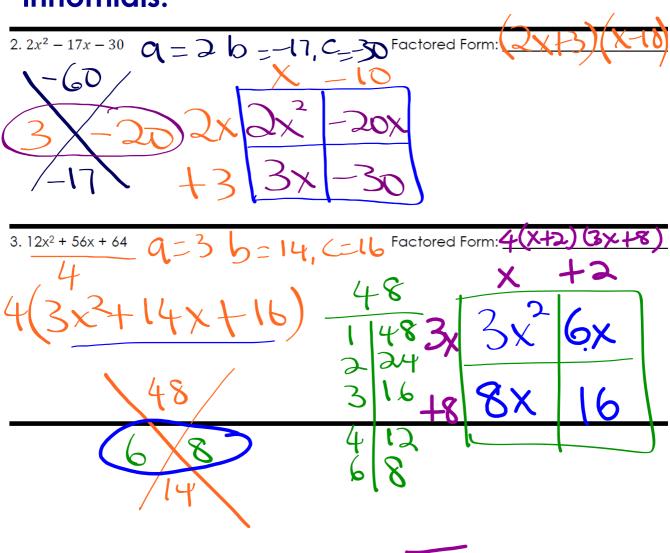
1.
$$5X^2 + 14x - 3$$

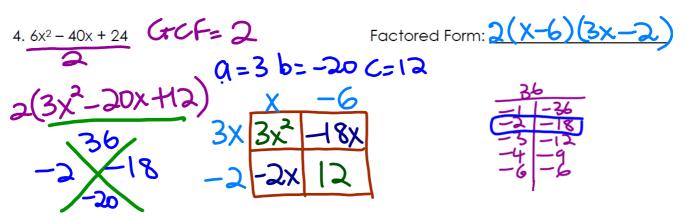


Factored Form: (5x-1)(x+3)

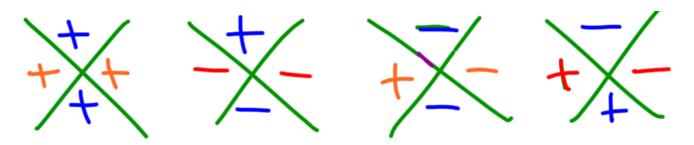
Practice Factoring A > 1 - You do

Using the Area Model. Factor the following trinomials.



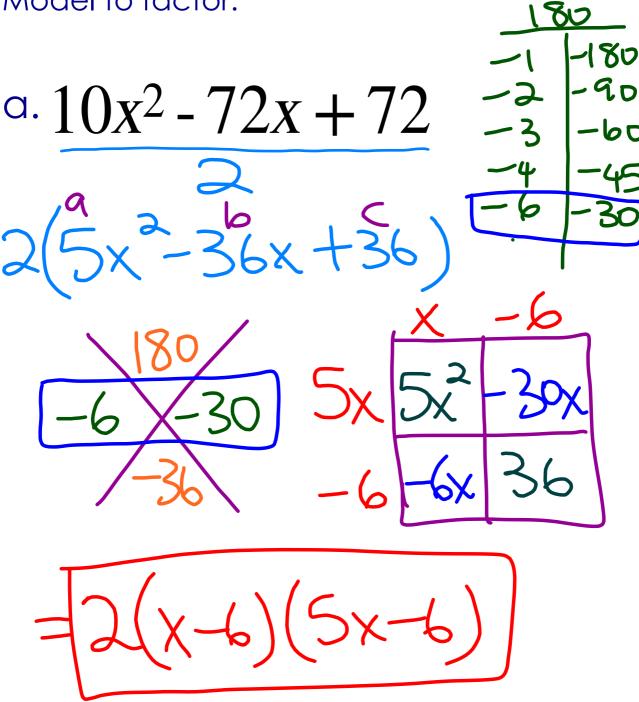


Remember: You must ALWAYS include the GCF on the outside of the factored form!

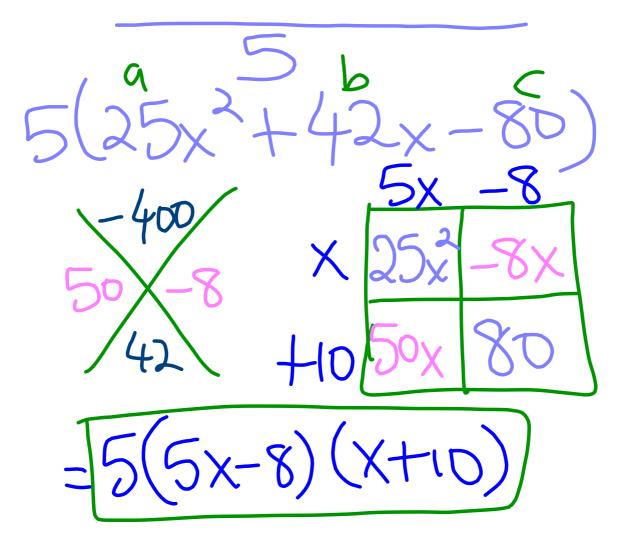


Practice Factoring at Your Boards!

Take a look at the following trinomials and factor out the GCF, then use the Area Model to factor.



b. $25x^2 + 210x - 400$



c.
$$7x^2 - 13x - 2$$
 No Get -14 $7x - 14x$ -13 $+1$ $(x-2)$ -13 $(x-2)$

Remember...your factored form should always been equivalent to the quadratic expression you started with so you must always include the GCF on the outside of the factored form.

Closing: Exit Ticket

$$\frac{10p^{2} + 28p + 18}{2}$$

$$\frac{9}{2} + 14p + 9}$$

$$\frac{45}{3} + 5$$

$$\frac{5}{4} + 9$$

$$\frac{5}{4} + 9$$

$$\frac{7}{4} + 9$$

$$\frac{9}{4} + 9$$

$$\frac{9}{4} + 9$$

$$\frac{9}{4} + 9$$

$$\frac{9}{4} + 9$$

Functions notation.ppt

Functions Practice HW.docx

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