Accelerated Math Notes Factor Linear Expresssions (Lesson 7-5

To **factor** an expression means...

"Please make me into a multiplication problem"

Factor 8x + 12

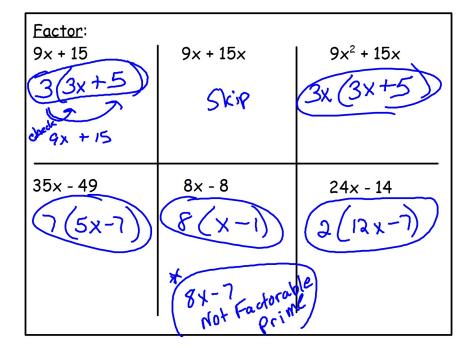
*Think what is the GCF of 8 and 12? \checkmark



*Use this as first factor, (+) for second factor.

*Use distributive property to work backwards to find what must go in the parentheses.

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Find the GCF of each pair of monomials:		
Greatest Common Factor		425 /5·8
54ab, 81a	18, 30m	125×y, 40y
270	6	<u>5u</u>
100xyz, 75xy	50j, 30k	56a²b, 24ab
25xy	(4)	(8ab)

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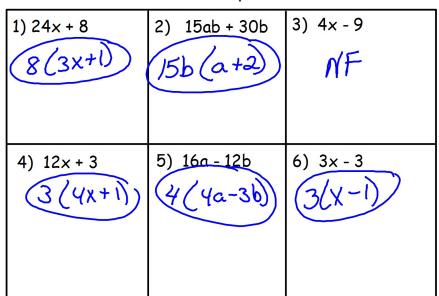
Find what goes in the () to make these expressions equivalent:

$$5(4x+3) = 20x + 15$$

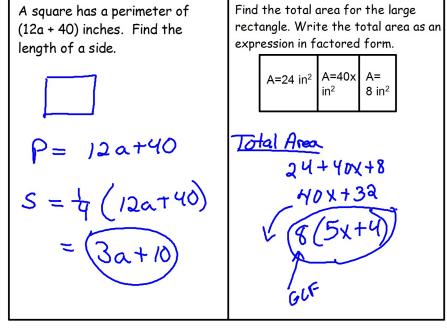
$$7x(X-1) = 7x^2 - 7x$$

$$20(2x+3) = 40x + 60$$

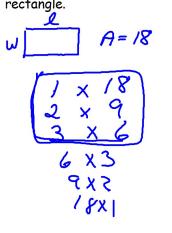
Factor. If Not Factorable, put NF



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The area of a rectangle is 18 square inches. Find all possible whole number dimensions of the rectangle.



The area of a rectangle is (8x - 12) square inches. Find possible dimensions for the rectangle.

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