Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_FA/SA Factoring Quadratics 2 ALPHA Hour \_\_\_\_\_\_

Factor each of the following quadratic equations and determine the EXACT solutions to each of the equations

HINT: IF AC > 100, then there might be something special about the quadratic and a FASTER method can be employed!

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| Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_        Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   1. =0   Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   1. (hint: do #13 FIRST)   Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_      Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   1. =0   Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_      Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_      Completely factored form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Related EXACT Solutions \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Give an example of a COMPOSITE quadratic trinomial 2. Give an example of a COMPOSITE quadratic binomial with a GCF that does NOT change the roots of the binomial. 3. Using #4 as an example, explain why factoring out a GCF is the FIRST step in factoring ANY polynomial.   #4 from front page |