Algebra 2
Chapter 5 / Quadratics Unit Review

8. We learned 3 methods for factoring. Name them. _BOX_
FRACTIONS
GROUPING

There is one thing that must be found no matter which method you choose for factoring.

What is it? _Winning combo of_ $\frac{ac}{b}$

9. When you solve a quadratic equation, or any equation for that matter, you are finding

its solutions. What are the other names we use for solutions? (There are three)

roots, zeros, x-ints (from + #)

10. Fill in the table below about our 5 methods for solving quadratic equations.

Method	When to Use	Advantages	Disadvantages
Factoring	Standard Form + Factorable	Easy if a=1 Gives Exact answers	Not as easy when a≠1 Need to know times table
√'s	Vertex Form or Standard when b=0	-Not too hard to solve working backwards Gives exact answers	you have to know how to simplify √'s
QF	Standard Form	-It works with factorable + unfactorable -Gives exact answers	-You have to memorize it -Not easy to use
CTS	Standard Form	Easy under right circumstances a=1, b= even # -Gives exact answers	Can be tough when a≠1 b=odd
Graphing	Any Form =0	The calculator does all the work— 2nd trace 5 enter 3x	Does not give exact answers (no radicals)