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Summary: Solving Quadratic Equations

You have learned five ways to solve quadratic equations. The method you use depends on the equation you are given and what you need to know about the roots.

Fill in Example Equations for each method for solving quadratic equations.

Method	When do you use it?	Does it always work?	Example Equations
Graphing	When you do not need exact roots and need a visual way to represent a quadratic equation	Sometimes	A) B)
Factoring	When the the equation can be factored quickly	Sometimes	A) B)
Square Root Property	When you have a binomial squared that is set equal to a number	Sometimes	A) B)
Completing the Square	When you need an exact value and the roots are complex values	Always	A) B)
Quadratic Formula	When you need an efficient way to solve a quadratic equation	Always	A) B)