## Algebra 2

## 3-06 Solving Quadratic Equations by Any Method (Review)

## Choose the Best Method to Solve a Quadratic Equation

To most $\qquad$ solve a quadratic equation,

1. If $x$ appears only $\qquad$ and it is $\qquad$ —either $x^{2}$ or $(x-k)^{2}$ - solve by $\qquad$ .
2. If $\qquad$ $x^{2}$ and $x$ appear, make the equation equal to $\qquad$ and...
a. Try solving by $\qquad$ _.
b. If it cannot be factored quickly, solve by completing the square or the $\qquad$ .
c. Graphing is usually only as a $\qquad$ resort for problems.
Solve $x^{2}+6 x+5=0$ $3 x^{2}-12=5 x$
$4 x^{2}=375-x^{2}$

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x^{2}+5 x-7=0
$$

$3 x^{2}=54 x$

