

Name:

Date:

Topic:

Class:

Main Ideas/Questions	Notes/Examples	
<p>Choosing the <b>BEST METHOD</b></p>	METHOD	BEST USED WHEN
	FACTORING	
	SQUARE ROOTS	
	COMPLETING THE SQUARE	
	QUADRATIC FORMULA	
<p>When is it <b>FACTORABLE?</b></p>		
<p><b>EXAMPLES</b></p> <p>(HINT: Use the discriminant to determine if its factorable!)</p>	<p><b>Directions:</b> Choose a method and solve each equation below. You can only use each method once.</p>	
	<p>1. <math>x^2 - 6x + 7 = 73</math></p> <p><input type="checkbox"/> F <input type="checkbox"/> SR <input type="checkbox"/> CS <input type="checkbox"/> QF</p>	<p>2. <math>9x^2 - 4 = 0</math></p> <p><input type="checkbox"/> F <input type="checkbox"/> SR <input type="checkbox"/> CS <input type="checkbox"/> QF</p>
	<p>3. <math>2x^2 + 8x + 10 = 3</math></p> <p><input type="checkbox"/> F <input type="checkbox"/> SR <input type="checkbox"/> CS <input type="checkbox"/> QF</p>	<p>4. <math>x^2 + 9x + 14 = 0</math></p> <p><input type="checkbox"/> F <input type="checkbox"/> SR <input type="checkbox"/> CS <input type="checkbox"/> QF</p>

**METHOD 3: COMPLETING THE SQUARE**

11.  $x^2 - 18x + 65 = 0$

12.  $x^2 + 16x + 55 = 3$

**METHOD 4: QUADRATIC FORMULA**

Q.F.

13.  $-x^2 - 3x + 9 = 0$

14.  $-x^2 + 4x = 9$

15.  $3x^2 - 9x = x - 5$