



<p><b><u>Lessons 12.3 &amp; 12.5 – Big Ideas</u></b></p> <ul style="list-style-type: none"> <li>• Greatest common factor (GCF)</li> <li>• Factoring trinomials</li> <li>• The Box Method</li> <li>• Difference of Two Squares</li> <li>• Perfect Square Trinomial</li> </ul>	<p><b><u>Your Notes</u></b></p> <p><u>The Box Method</u></p> <p>The box method only works if you have factored out any common factors first!</p> <ol style="list-style-type: none"> <li>1. Multiply the first and last terms.</li> <li>2. Find the factors that multiply to be the product (in step 1) and that add to be the middle term (organize this information with an X-box)</li> <li>3. Draw a 2x2 square</li> <li>4. Put the first term of the trinomial in the upper-left corner and the constant term in the lower-right corner.</li> <li>5. Put the factors (from step 2) in the two remaining squares.</li> <li>6. Find the GCF of each row &amp; each column</li> <li>7. Write the result as a product of two binomials.</li> </ol>
<p><b><u>Lesson 12.7 – Big Ideas</u></b></p> <ul style="list-style-type: none"> <li>• Completing the Square</li> <li>• Converting standard form to vertex form</li> </ul>	<p><b><u>Your Notes</u></b></p>