

### Factoring Complex Trinomials, page 3

<p>Example 4:  <math>6x^2y^2 - 2xy^2 - 60y^2</math></p>	<p>Step 1: Factor Statement:</p>
	<p>Step 2: Set signs for the factors.</p>
	<p>Step 3: Factor the variable squares.</p>
	<p>Step 4: Factor a; factor and reverse factor c  <math>a = \underline{\hspace{2cm}}</math>    <math>c = \underline{\hspace{2cm}}</math>    <u>Factor Statement Work Space</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>Look for the combination that fits the factor statement.</p>
	<p>Step 5: Use the "a" factors in the 1<sup>st</sup> positions and the "c" factors in 2<sup>nd</sup> positions of your solution.</p>
	<p>Step 6: FOIL to check.</p>

<p>Example 5:  <math>-x^2 + 24x + 25</math></p>	<p>Step 1: Factor Statement:</p>
	<p>Step 2: Set signs for the factors.</p>
	<p>Step 3: Factor the variable squares.</p>
	<p>Step 4: Factor a; factor and reverse factor c  <math>a = \underline{\hspace{2cm}}</math>    <math>c = \underline{\hspace{2cm}}</math>    <u>Factor Statement Work Space</u></p> <p>_____</p> <p>_____</p> <p>Look for the combination that fits the factor statement.</p>
	<p>Step 5: Use the "a" factors in the 1<sup>st</sup> positions and the "c" factors in 2<sup>nd</sup> positions of your solution.</p>
	<p>Step 6: FOIL to check.</p>