**Factoring Complex Trinomials, page 2**

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|---|---|
| Example 2:<br>$20x^2 + 27x - 8$ | Step 1: Factor Statement: |
| (  ) (  ) | Step 2: Set signs for the factors. |
| | Step 3: Factor the variable squares. |
| | Step 4: Factor *a;* factor and reverse factor *c*<br>*a* = _____ *c* = _____ *Factor Statement Work Space*<br>_____ _____ _____<br>_____ _____ _____<br>_____ _____ _____<br>_____ _____ _____<br>Look for the combination that fits the factor statement. |
| | Step 5: Use the "a" factors in the 1st positions and the "c" factors in 2nd positions of your solution. |
| | Step 6: FOIL to check. |

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|---|---|
| Example 3:<br>$2x^2 + 17x + 10$ | Step 1: Factor Statement: |
| (  ) (  ) | Step 2: Set signs for the factors. |
| | Step 3: Factor the variable squares. |
| | Step 4: Factor *a;* factor and reverse factor *c*<br>*a* = _____ *c* = _____ *Factor Statement Work Space*<br>_____ _____ _____<br>_____ _____ _____<br>_____ _____ _____<br>_____ _____ _____<br>Look for the combination that fits the factor statement. |
| | Step 5: Use the "a" factors in the 1st positions and the "c" factors in 2nd positions of your solution. |
| | Step 6: FOIL to check. |