

Factor Polynomials with GCF

<p><u>Ex. 1</u> Factor. $3n^2 - 9n + 6$</p>	<p><u>You Try 2</u> Factor. $2n^2 + 2n - 12$</p>
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Factor Polynomials with $a \neq 1 \rightarrow ax^2 + bx + c$

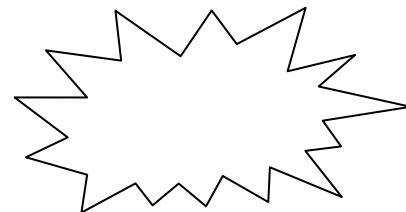
<p><u>Ex. 3</u> Factor. $2x^2 + x - 6.$</p> <p style="text-align: right;"><u>Scratch Work</u></p>	<p><u>Steps</u></p> <ol style="list-style-type: none"> 1) Multiply the "a" by the "c." 2) Find the two numbers whose product is $a \cdot c$ and whose sum is b. <p>**</p> <ol style="list-style-type: none"> 3) Use those numbers to write like terms. 4) Split the middle! 5) Factor out the GCF of each side. 6) Write the factored form of the polynomial by grouping.
<p><u>Ex. 4</u> Factor. $3z^2 - 2z - 8.$</p> <p style="text-align: right;"><u>Scratch Work</u></p>	<p><u>Does Order of Like Terms Matter?</u></p>

You Try 5 Factor the polynomial $2n^2 + 3n - 9$.

Scratch Work

Ex. 6 Factor the polynomial $6x^2 - 26x - 20$.

Scratch Work



You Try 7 Factor the polynomial $6k^2 + 15k + 6$.

Scratch Work

