Factoring the GCF Algebra 1: Section 10.8

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Α.	The Greatest Common Factor (GCF) of a polynomial is the term such that a is the greatest common factor of all of the and x^n is smallest of x in
В.	the polynomial. The GCF of $4x^5 - 2x^4 + 6x^2$ is since 2 is the largest number that is a factor of 4, -2, and 6 and x^2 is the smallest power of x.
F	actoring Out the GCF
	To factor out the GCF of a polynomial; 1. Identify the
В.	3. Rewrite the polynomial inside parenthesis. It may be possible to the reduced polynomial even further using the technique we have already learned.
F	actoring Out the GCF
Α.	Factor $14x^4 - 21x^2$ completely. 1. The GCF is 2. Reduce:().
В.	Factor $2x^2 - 8$ completely. 1. The GCF is 2. Reduce:(). 3. Factor:()().
F	actoring Out the GCF
	Factor $2x^2 + 8$ completely. 1. The GCF is 2. Reduce: ().
В.	3. Factor:() be factored further. Factor $4x^3 + 20x^2 + 24x$ completely. 1. The GCF is 2. Reduce:().