Group Members

and graph rational expressions.	
$x^2 + 2x - 15$ $2x - 12$	-2
$4x^2 + 16x$; $x^2 - 9x + 18$	$y = \frac{1}{x+2} - 3$
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$\frac{2x^2 + 8x - 12}{x^2 - 9} + \frac{4x^2 - 8x - 42}{x^2 - 9}$	$\frac{4}{2x}$
$x^2 - 9$ $x^2 - 9$	$\frac{1}{x^2+5x+6} + \frac{1}{x+2}$
11. 14. The manufacture is the second in	na - Carl memiela (indexect constituta - Carl memiela
	ns of polynomials, find exact equations of polynomials,
factor 3+ degree polynomials given a root, and use the l	
Sketch the polynomial graph. $y = (x + 4)(x - 2)^3(x - 6)^2$	Write the basic equation
y = (x + 4)(x - 2)(x - 6)	
, Y	
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-8-7-6-5-4-3-2-1 1 2 3 4 5 6 7 8	
	-8-7-6-5-4-3-2/1 1 2 3 4 5 6 7 8

Fully Factor:	Find the exact equation
$y = 4x^3 + 24x^2 - 31x - 21$ Factor: $x + 7$	
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Is (-1,0) a root of $f(x) = 3x^5 - 4x^4 - 2x^3 + 5x^2 + x - 1$	
Unit 7I can perform arithmetic operations with i, write equations with complex roots in factored and standard form, and find the roots and factored form of equations with complex roots.	
Simplify $(10 + 2i)(10 - 2i)$	Write the equation of a polynomial with roots $8 \pm 12i$
-4 √ <u>-32</u>	
$\cdot \frac{1+2i}{4+i}$	
	Factored form:
	Standard form:
Write the fully factored form of y = $x^3 + 5x^2 + 9x + 45$ with a root at (-5,0)	$y = 2x^2 - 16x + 40$