Objective	Example	Answer	Rating (Circle One)			
Naming Polynomials	$\left(3x-7x^2+1\right)$	Quadratic Trinomial	©	<u></u>	(3)	
Adding Polynomials	$(-x-7x^2+3)+(5x^2-4-x)$	$-2x^{2}-2x-1$	©	<u></u>	(3)	
Subtracting Polynomials	$(7x^4 + x^3 - 2x^2 + 1) - (5x^3 - 4x^4 + 2 - 7x)$	$11x^{4}-4x^{3}-2x^{2}+7x-1$	©	<b>:</b>	(3)	
Multiplying Polynomials (distributing a monomial)	$(3k)(5k^4-4k^2+3)$	15K-12K3+9K	©	<b>(1)</b>	(j)	
Multiplying Polynomials (two binomials FOIL)	(7x+3)(5x-4)	$35x^{2}-28x+15x-12$ $35x^{2}-13x-12$	©	<b>(1)</b>	$\odot$	
Multiplying Polynomials (binomial to trinomial)	$(2x+3)(4x^2-x-9)$	$8x^{3}-2x^{2}-18x +12x^{2}-3x-27 = $ $8x^{3}+10x^{2}-21x-27$	©	<b>(1)</b>	3	
Writing an expression for the area of a figure	2x +4 2x - 1 3x - 1 MathBits.com 3x + 6	(2×+4)(3×+6) -(2×-1)(3×-1) (2×+1)×+10×+24 -((A-2×-3×+1) (29×+23)	©	<b>(1)</b>	(3)	
Squaring a Binomial	$(2x+3)^2$	4x <sup>2</sup> +12x+9	©	<u></u>	©	

Factoring out a GCF	$16q^5 - 21q^4 - 3q$	g(16g4-21q3-3)	(i)	<b>:</b>	8
Factoring a Quadratic Trinomial (with a L.C. of 1)	$t^2 + 9t + 14$	(t+7)(t+2)	©	<u></u>	8
Factoring a Quadratic Trinomial (with a L.C. not 1)	$12t^2 + 5t - 3$	(42 + 3)(3t - 1)	©	<u></u>	8
Factoring a Quadratic Trinomial with a GCF	$-4x^2 + 5x + 6$	$-1(4x^{2}-5x-6)$ $-1(4x+3)(x-2)$	☺	<u></u>	8
Factoring a Difference of Two Squares (D.O.T.S)	$121w^2 - 49$	(11w+7)(11w-7)	©	<u></u>	8
Solving using ZPP	(2x+7)(x-3) = 0	2x+7=0 or x-3=0 X=\frac{7}{2}  or \times = 3	©	<b>:</b>	8
Factoring and Solving using ZPP	$x^2 - 5x = -6$	$x^{2}-5x+6=0$ (x-3)(x-2)=0 x=3 or $x=2$	©	<b>⊕</b>	8
Factoring (including a GCF) and Solving with ZPP	$-7x^2 + 14x = 0$	-7x(x+2) = 0 (X=0 or X=-2)	©	<b>(2)</b>	8