Algebra 2: Functions, Polynomials, Rationals

Section	Key Problem	You Got It Right!	Notes	HMWK Done	Correct on Homework.	I Got This!
F1: Function Notation	For the function $f(x) = 2x + 8$, find: a) The Domain b) The Range c) f(3)	Mgnt:			/14	11113:
F2: Families of Functions	The given number is which number in the given sequence? -41; $a_n=4-3(n-1)$				Х	
F3: Transformations of Functions	State how the function $f(x) = -3(x-2)^2$ is transformed from the function $f(x) = x^2$.				/11	
F4: Polynomials	Simplify $(x + 2)(3x - 6)$, and state the degree of the RESULTING polynomial.				/14	
F4.5 Composition	If $f(x) = 2x + 7$ and $g(x) = x^2 - 4$, find $(f \circ g)(x)$				/10	
Composition Story Problem		Х	Х			
Quiz: F1, F2, F3, F4		Score 1:	x-tra		Score 2:	
F5: Dividing Polynomials	Use long division: $\frac{x^2-5x-6}{x+1}$				/8	

F5.5:	Use long division: $\frac{x^3 - 2x^2 - 11x + 12}{x - 4}$				
Dividing	Use long division: ${x-4}$				
Polynomials					
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				, -	
F6:	For the quadratic function, $y = -x^2 + 2x + 1$,				
Graphing	Find a) the y-intercept, b) the x-intercepts, c) the max or min d) whether the graph goes up or				
Polynomials	down.			_	
				/14	
				,	
F7:	Given the polynomial $(x) = 3x^2 - 12x^2 + 3x + 18$, which values of x are NOT zeros of the				
Zeros of	polynomial: -1, 0, 1?				
Polynomials					
				/0	
				/8	
Quiz:		Score 1:	x-tra	Score 2:	
F5, F6, F7					
F8:	State any vertical asymptote(s) and horizontal asymptotes of the function:				
Rational	$3x^2 - 2x + 4$			/0	
Functions	$f(x) = \frac{3x^2 - 2x + 4}{x^2 - 9}$			/8	
F9:	State any vertical asymptote(s), horizontal, or slant asymptotes or holes of the function:				
More Rational	$f(x) = \frac{x-3}{x^2-9}$				
Functions	$\int (x) = \frac{1}{x^2 - 9}$				
Review				/20	
				-	
Test				Score:	