View Question Details

Legend

Assignment name	Final Exam
Chapter coverage	5-8
Displays with chapters	8
Total points	50
Estimated time:	75m 59s
Metrics-based assignment difficulty	Easy (1), Moderate (33), Hard (16), Very Hard (0)

	#	Question ID	Objective	Estimated time	Numeric Answer Tolerance	Credit for Unsimplified Answers	Student to show work	# Points
	1	5.1.23	Evaluate exponential expressions.	1m 5s				1
	2	5.1.23	Evaluate exponential expressions.	1m 5s				1
	3	5.1.45	Use the power rules for products and quotients.	42s				1
	4	5.1.55	Use the power rules for products and quotients.	1m 52s				1
	5	5.2.5	Define polynomial, monomial, binomial, and degree.	39s				1
	6	5.2.33	Simplify a polynomial by combining like terms.	2m 42s				1
	7	5.2.39	Add and subtract polynomials.	1m 4s				1
	8	5.3.23	Use the distributive property to multiply polynomials.	1m 3s				1
	9	5.3.27	Use the distributive property to multiply polynomials.	1m 37s				1
	10	5.3.33	Use the distributive property to multiply polynomials.	1m 36s				1
	11	5.4.55	Square a binomial.	1m 45s				1
	12	5.5.51	Use all the rules and definitions for exponents to	1m 56s				1

			simplify exponential expressions.					
	13	5.6.9	Divide a polynomial by a monomial.	1m 55s				1
	14	5.6.15	Use long division to divide a polynomial by another polynomial.	1m 27s				1
	15	6.1.57	Factor a polynomial by grouping.	1m 27s				1
	16	6.2.11	Factor trinomials of the form x^2 + bx + c.	1m				1
	17	6.3.29	Factor out a GCF before factoring a trinomial of the form ax^2 + bx + c.	4m 35s				1
	18	6.3.43	Factor perfect square trinomials.	1m 41s				1
	19	6.3.45	Factor perfect square trinomials.	1m 43s				1
	20	6.4.27	Use the grouping method to factor trinomials of the form ax^2+bx+c.	2m 31s				1
	21	6.5.9	Factor the difference of two squares.	56s				1
	22	6.5.15	Factor the difference of two squares.	53s				1
	23	6.5.19	Factor the difference of two squares.	1m 57s				1
	24	6.5.23	Factor the sum or difference of two cubes.	1m 41s				1
	25	6.5.25	Factor the sum or difference of two cubes.	2m 20s				1
	26	6.6.25	Solve quadratic equations by factoring.	1m 23s				1
	27	7.1.9	Find the domain of a rational expression.	1m 57s				1
	28	7.1.19	Simplify	28s				1

			rational expressions.					
	29	7.1.27	Simplify rational expressions.	1m 19s				1
	30	7.1.29	Simplify rational expressions.	1m 39s				1
	31	7.2.29	Divide rational expressions.	2m 5s				1
	32	7.3.13	Add and subtract rational expressions with the same denominator.	2m 8s				1
	33	7.4.17	Add and subtract rational expressions with unlike denominators.	1m 29s				1
	34	7.5.15	Solve equations containing rational expressions.	1m 59s				1
	35	7.5.41	Solve equations containing rational expressions.	4m 22s				1
	36	7.6.13	Use proportions to solve problems.	1m 23s				1
	37	8.1.27	Write an equation of a line using function notation.	1m 55s				1
	38	8.1.39	Write an equation of a line using function notation.	40s				1
	39	8.1.43	Find equations of parallel and perpendicular lines.	2m 26s				1
	40	8.2.1	Review function notation.	28s				1
	41	8.2.5	Review function notation.	29s				1
	42	8.2.21	Find square roots of numbers.	41s				1
	43	8.2.27	Find square roots of numbers.	15s				1

	44	8.2.33	Graph nonlinear functions.	35s				1
	45	8.2.35	Graph nonlinear functions.	57s				1
	46	8.3.45	Reflect graphs.	46s				1
	47	8.4.3	Solve problems involving direct variation.	1m 18s				1
	48	8.4.13	Solve problems involving inverse variation.	1m 16s				1
	49	6.1.15	Find the greatest common factor of a list of terms.	1m 2s				1
	50	5.5.101	Use all the rules and definitions for exponents to simplify exponential expressions.	1m 47s				1

OK