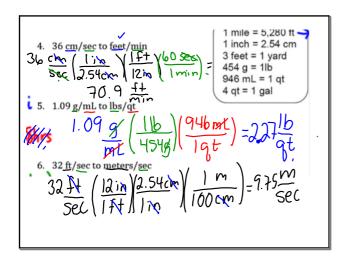
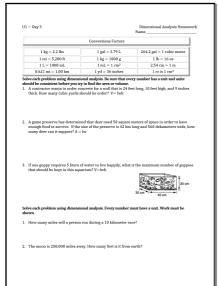


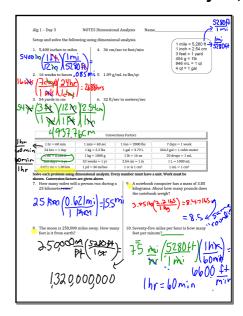
Jan 3-3:03 PM



Jan 7-9:26 AM

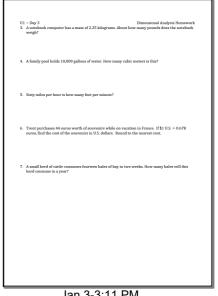


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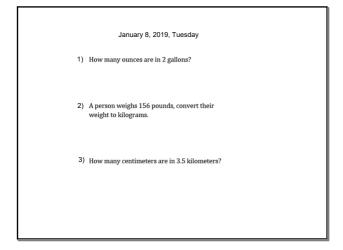
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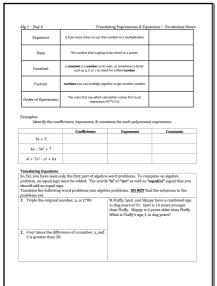
Jan 3-3:11 PM

Setup and solve the following using dimensional analysis.   To variety   To varie	U1 ~ Day 2		Unit Conversions & Dimensional Analysis HW Name
1   1   1   1   1   1   1   1   1   1		ising dimensional a	malysis.
2. 165 pounds into kilograms  3. 5,400 inches to miles  4. 16 weeks to hours  5. 54 yards to cm  10.32 ft/sec to meters/sec  6. 19 inches to feet	1 hour = 3600 seconds 1 meter = 3.28 feet 1 kg = 2.2 lbs	1 km = 0.62 miles 1 lb = 0.45 kg	s 1 light second = 300,000,000 meters 1 quart = 0.946 liters
5, 5400 inches to miles     0, 1.09 g/mL to lits/qt     1.10 weeks to hours     5, 54 yards to cm     10, 32 ft/sec to meters/sec     19 inches to feet	1. 43 miles into feet		8. 36 cm/sec to feet/min
4. 16 weeks to hours 5. 54 yards to cm 10.32 ft/sec to meters/sec 6. 19 inches to feet	2. 165 pounds into kilograms		
5. 54 yards to cm 10.32 ft/sec to meters/sec 6. 19 inches to feet	3. 5,400 inches to miles		9. 1.09 g/mL to lbs/qt
6. 19 Inches to Feet	4. 16 weeks to hours		
	5. 54 yards to cm		10.32 ft/sec to meters/sec
	6. 19 inches to feet		
7. 840 in. to cm.	7. 840 in. to cm.		

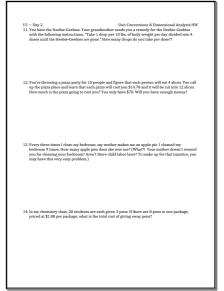
Jan 3-3:12 PM



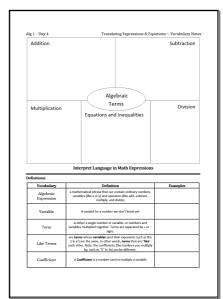
Jan 3-3:15 PM



Jan 3-3:16 PM



Jan 3-3:12 PM



Jan 3-3:16 PM

II. A furniture store advertises a 40% off
liquidation sale on all items. What would the sale price, p, be on a \$2530 dining room set?
12. Kyle buys an item which normally sells for a certain price, x. Today the item is selling for 25% off the regular price. A sales tax of 6% is added to the equation to find the final price, f.
n

Jan 3-3:16 PM

Trans	slating b	y Keywords	Name
Operation	Keywords	Sentence	Translated
Add		The sum of two and a number.	
		Three plus a number.	
<b>—</b>		Four more than a number.	
		Five increased by a number.	
Subtract		The difference of two and a number.	
		Three minus a number.	
_		Four less than a number.	
		A number decreased by five.	
Multiply		The product of two and a number.	
		Three times a number.	
$\mathbf{x}$		A number multiplied by four.	
		Double a number.	
Divide		The quotient of a number and two.	
•		The quotient of two and a number.	
<b>—</b>		A number divided by three.	
•		Half of a number.	
Equal		Two more than a number equals 5.	
		When a number is divided by 2 and decreased by 3, the result is 2.	
		Twice the sum of a number and 3 is 10.	

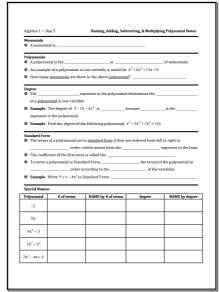
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Jan 3-3:18 PM

January 9, 2019, Wednesday

Jan 3-3:19 PM



Jan 3-3:19 PM

Adding/Subtracting Polynomials: Simplify each sum. 1) $(6x^3 - 8x^2) + (4x^2 - 4x^3)$	2) $(8p^3 - 4p^2 - 2p) + (8p^3 - 4p^2 + p)$
Simplify each difference. $3) \ (6+6\nu^2) - (6+7\nu^2)$	4) $(6v^3 + 8v - 5v^4) - (7v - 5v^3 + 2v^4)$
Multiplying Polynomials:  12x(x² - 4x + 2) - Use Distributive Property	2. (x+3) (x-3) - Use Box Method
3. Find the area of the rectangle. $7x + 10$ $4x + 8$	4. Find the volume $\frac{x+6}{x}$

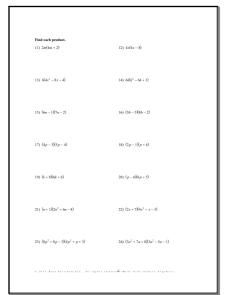
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Polynomial	Rewrite in Standard Form	Degree	Leading	Constant	Monomial, Binomial, Trinomial, Polynomial?	Constant, Linear, Quadratic, Cubic, Quartic?
1) -2 + 5x						
2) 12						
3) -1 - 4x <sup>2</sup> + 7x						
<ol> <li>5x<sup>3</sup> - 2</li> </ol>						
5) 4-3x4						
6) x² + 5x + 2x4 - x³ + 1						
7) 3x <sup>3</sup> - 10x + 15 + 6x <sup>2</sup>				_		
8) 7x - 3x <sup>4</sup>						
Find the sum or difference						
Find the soun of unlet exc. $9. (3x^2 - 4x + 1) + (x^2 + x - 9)$ $10. (6x - 5) + (4x^2 - 3x + 4)$						

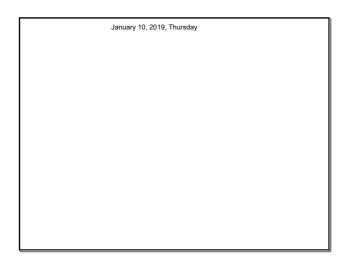
Jan 3-3:25 PM

11. $(5x^2 \cdot x \cdot 7) + (2x^2 + 3x + 4)$	12. (x - 4x <sup>2</sup> + 7) - (-5x <sup>2</sup> + 5x - 3)
13. (-3 + 4n <sup>2</sup> ) - (5 - 2n <sup>2</sup> )	$14 \cdot (5x^2 - 3x) - (5x^2 - 3x + 1)$
15. (3p <sup>2</sup> - 2p + 3) - (p <sup>2</sup> - 7p + 7)	16. (d² - d + 5) - (-d² + d + 5)
17. (5a + 9b) - (4b + 2a)	$18. \left(x^{3} - 3x^{5}y + 4xy^{2} + y^{5}\right) \cdot \left(7x^{5} - 9x^{5}y + xy^{6} + y^{5}\right)$
perimeter?	by $3x$ the width is represented by $6x^2 + 4x$ , what is the he width is $(x + 6)$ . Write an expression for the perimeter-
the triangle are represented by the expressi	ented by the polynomial $6x^2 + 8x + 1$ . Two of the sides of one $2x^2 - 5x + 3$ and $2x^2 - 3x + 4$ . Find an expression for
the third side of the triangle.	

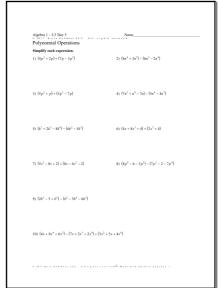
Jan 3-3:25 PM



Jan 3-3:22 PM



Jan 3-3:28 PM



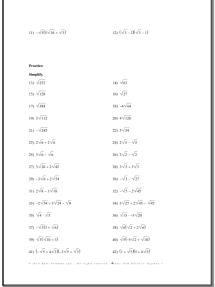
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Algebra 1 ~ U1 Day 5	Name
Find each product.	
1) 2m(4m + 2)	2) 4x(4x - 8)
3) 6(4x <sup>2</sup> - 8x - 4)	4) $6d(k^2 - 6k + 1)$
5) (7r+1)(r+3)	6) $(6p-7)(7p+3)$
7) (8x - 5)(6x + 6)	8) $(r-8)(r-1)$
9) (7k+3)(8k+7)	10) (3k-2)(5k+2)
11) (2x+7)(2x+8)	12) (3 <i>v</i> – 1)(5 <i>v</i> + 3)
13) (3r+5)(4r+5)	14) $(3w - 5)^2$

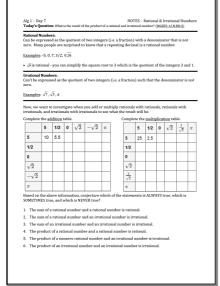
Jan 3-3:24 PM

Algebra 1 ~ Ul Day 6	Name
Radicals are in SIMPLEST FORM  NO perfect square factors other the NO fractions are under the radica NO radicals are in the denominate	on 1 are under the radical.
What is the prime factorization of e	ach number?
1) 54	2) 98
Simplify.	
3) √128	4) $\sqrt{392}$
Simplify.	
them	is, the radicals must be exactly the same in order to combine $\overline{3} = \sqrt{2} + \sqrt{3} \text{ because the number under the radical is not}$
5) -√6 + 3√6	6) $2\sqrt{6} - 2\sqrt{54}$
7) 3\sqrt{20} - \sqrt{5}	$8) -2\sqrt{54} - \sqrt{12} + 2\sqrt{54}$
Simplify. When multiplying radicals, multiply	r everything on the outside & everything on the inside
together and then simplify.	
together and then simplify. (ex. $2\sqrt{2} \cdot 3\sqrt{5} = 6\sqrt{10}$ because 2	3 is 6 and 2 · 5 is 10.)

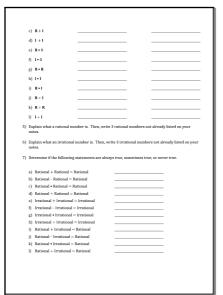
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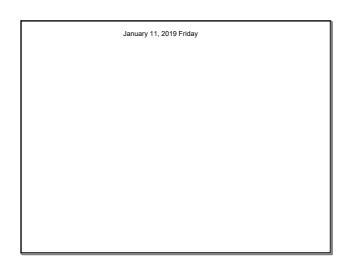
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Jan 3-3:31 PM



Jan 3-3:32 PM



Jan 3-3:30 PM

Algeb	ra 1 ~ Day 7 Name	Rational & Irrational WS
1)	Determine whether the	e following numbers are rational or irrational.
	a) 5	
	b) 5/7	
	c) 0.575	
	d) √5	
	e) 5.75	
	f) 0.34343434	
	g) 0.248502856	
	h) 5/8	
	i) √49	
2)	Tell whether the follow	ring expressions are either rational or irrational.
	a) √10 + 16	
	b) $2(\sqrt{5} + \sqrt{7})$	
	<ul> <li>c) √9 + √4</li> </ul>	
	<li>d) √3 + 0</li>	
	e) $\frac{\sqrt{10}}{7}$	
3)	a) It is rational, because     b) It is rational, because     c) It is irrational, because	e about the value of $4(\sqrt{8}+4)$ ? see the product of two rational numbers is rational. see the product of a rational and immers in rational number is rational. see the product of a rational number is irrational. see the product of one irrational number is irrational use the product of an irrational number and a rational number is irrational.
4)		ring expressions are either rational, irrational, or possibily either given that number and I is an irrational number. If your answer is either, give an EXAMPLES (if needed):
	a) I+0	
	b) R+0	

Jan 3-3:32 PM

Jan 3-3:32 PM