NRF Assignment #1

To receive full marks, be sure to show all of your work on looseleaf!

	1.	Detern a)	nine the GCF of each pair of numb 46, 84	ers. b)	81, 54			c)	[value 6] 144, 96
	2.	Determ a)	nine the LCM of each of the follow 15, 20	ing s b)	ets 22, 33, 44			c)	[value 7] 18, 30
	3.	A square has an area of 784 ft ² . What is the perimeter of the square?							[value 3]
	4.	A cube	has a volume of 9261 cm ³ . What i	s the	e surface a	rea of th	e cube?		[value 3]
	5.	a) Use a <u>number line</u> to order these numbers from least to greatest. b) Identify which numbers are irrational and which are rational.							[value 5]
		$\frac{26}{8}, \frac{4}{3}$	$\sqrt{39}$, -0.56, $\sqrt[3]{-10}$, $\sqrt{4}$						
6.	Wr	ite each	radical in simplest form, if possibl	e					[value 8]
		a) b)	$\frac{\sqrt{54}}{\sqrt{99}}$			c) d)	³ √48 ³ √162		
7. Write each mixed radical as an entire radical									[value 4]
	a) b)	$6\sqrt{2}$ $2\sqrt{7}$			c) d)	4∛9 3∛3			
8.	Express the side length of this square as a radical in simplest form.							[value 2]	

