7.2											
Name (print first and last)									Date:	3/4 due 3/5	
7.2 Similarity: SLO: I can ider	Relatio	nships	of side le	engths					Geometry Re	gents 2013-2014 l	VIs. Loma
〔SLO: I can ider	ntify corr	espon	ding sides	and use	them to	write r	atios and	l proporti	ons.		
VOCABIII ABY	/ /waa 4	h	انطیر مامیر		*** ***	ovina .	aatian	۵)			
VOCABULARY Dilation (Notation			gment	e you a	re answ Lengt		question Sim		Image		
Coordinates	ection	Congruent		Uni		Original					
			Center of dilation			Origin		portional	0		
					09			por doria.			
TO DO:											
The lengths for	problen	n #3 or	the skill/ta	ask 7.1	similarity	sheet	are copie	ed below	in simplified ra	adical form.	
	AB		ВС	CD	DE		EA	1			
Original	1	$\sqrt{3}$	$\frac{1}{4} = \sqrt{34}$	6			$3 = \sqrt{13}$				
ı	2		$\frac{7}{5} = 2\sqrt{34}$	12	4		$= 2\sqrt{13}$				
11	3		$\frac{5 - 2\sqrt{34}}{5 - 3\sqrt{34}}$				$\sqrt{7} = 3\sqrt{13}$				
	4		$\frac{3}{4} = 4\sqrt{34}$				$3 = 4\sqrt{13}$				
****	5		$0 = 5\sqrt{34}$	30		$\frac{0}{10} \sqrt{325} =$					
	6		$\frac{7 - 3\sqrt{34}}{4 = 6\sqrt{34}}$				$\overline{6} = 6\sqrt{13}$				
		I		I	12			J			
(1) Use the	lengths	from th	ne table ab	ove to o	complete	the tal	ole of rati	os. (Use "	alpha≽f1≽4" to	enter fractions on the	calculator)
		1	A'''B''			1				T	\neg
				_	B'''C''		C'''E		<u>D'''E'''</u>	<u>E'''A'''</u>	
					ВС		CE)	DE	EA	_
Ratio of	side len	gths									
Detic											
Ratio as (to the near											
,		,	nut the rati	ns as d	ecimals?	How c	loes the i	atio as a	decimal conn	ect to the graph? (_l Look at it∖
(2) What do	you no	lioo ab	out the ruti	00 40 4	John Halo .	11011	1000 1110 1	ano ao a	accimal com	out to the graph. (LOOK at it,
(3) Use the	lengths	from th	ne table ab	ove to d	complete	the tal	ole of rati	OS.			
			A"B"		B"C"		C	'"D"	D"E"	E"A"	
			$\overline{A''''B''''}$		$\overline{B^{""}}$	$\overline{B^{""}C^{""}}$		"' <i>D</i> ""	$\overline{D^{""}E^{""}}$	$\overline{E''''A''''}$	
D ()		41			_						
Ratio	of side I	engths	5								
Ratio	as a de	cimal									
(to the n	earest hu	ındredth)								
(4) What do	you no	tice abo	out the rati	os as d	ecimals?	How c	loes the i	atio as a	decimal conn	ect to the graph? (Look at it)
(E) \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	nonoral	ototo ==	ont chart	the reti-	o of oo	20000	المم منطح	of almail	ar change		
(5) Write a	general	siaiem	eni about t	ine railo	S OI COITE	spond	ang sides	o oi siiiili	ai siiapes.		

7.2 (6) For each pair of similar figures complete each proportion with a ratio that is equivalent. You may use how the drawing looks to determine corresponding sides. (longest to longest, shortest to shortest, etc.) (7) For each pair of similar figures, write 2 correct proportions. You may use how the drawing looks to determine corresponding sides. You may also highlight or use shapes like the example to show corresponding sides. (8) Summarize what we know about similar figures (use the terms corresponding, angles, sides, ratio, proportion,

congruent):