Chapter 9: Surface Area/ Volume Lesson 9-5: Similar Objects Homework			name date period				
Complete the tabl	e about s 1.	imilar so 2.	lids. 3.	4.	5.	6.	7
ratio of corresponding segments	2:3	5:2					,
ratio of areas			9:1		25:9		121:49
ratio of volumes				216:27		729:1000	
cones similar?9. Two cylinders similar?	cylinders	s have rad	ii 6 and 15	. The heigh	hts are 50 a	nd 125, respe	ctively.
and 45, respectively	y. Are the	e prisms s	similar?			s are squares and 96, respecti	
cones similar? 12. Tw 1 m and 2 m. Wha						wo correspond	ding side
13. Two						a radii of 8 c	m and 15
14. The length of the altitude			is 48 cm.	If the base of	of this trians	gle is 12 cm,	what is tl
15. The centimeters in the p			BCD is 81 s	square centi	imeters. Wi	hat is the num	ber of