

Name : \_\_\_\_\_

## Surface Areas and Volumes

Sheet 2

A) Complete the table.

	Surface Area of figure X	Scale factor of X to Y	Ratio of Surface Areas	Surface Area of figure Y
1)	68.89 in <sup>2</sup>	8.3 : 2.7		
2)	178 yd <sup>2</sup>	2 : 9		
3)	72 ft <sup>2</sup>			
4)	637 yd <sup>2</sup>			
5)	7.68 in <sup>2</sup>			
6)	38.44 in <sup>2</sup>			

B) Complete the table.

	Volume of figure X	Scale factor of X to Y	Ratio of Surface Areas	Volume of figure Y
1)	511.10 in <sup>3</sup>			
2)	10 in <sup>3</sup>			
3)	1625 yd <sup>3</sup>	5 : 2.4		
4)	5.832 ft <sup>3</sup>	0.9 : 5		
5)	4116 yd <sup>3</sup>	7 : 6		
6)	93.75 in <sup>3</sup>	2.5 : 7		

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