

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

## Surface Areas and Volumes

Sheet 1

A) Complete the table.

	Surface Area of figure A	Scale factor of A to B	Ratio of Surface Areas	Surface Area of figure B
1)	162 ft <sup>2</sup>	9 : 1		
2)	8.47 in <sup>2</sup>	1.1 : 6		
3)	302.76 yd <sup>2</sup>	8.7 : 0.5		
4)	1,024 in <sup>2</sup>	4 : 3.7		
5)	20 ft <sup>2</sup>	2 : 3		
6)	1,250 yd <sup>2</sup>	5 : 7		

B) Complete the table.

	Volume of figure P	Scale factor of P to Q	Ratio of Volumes	Volume of figure Q
1)	4.096 yd <sup>3</sup>	1 : 5		
2)	140.608 ft <sup>3</sup>	5.2 : 2.9		
3)	85.75 in <sup>3</sup>	3.5 : 9		
4)	10,290 yd <sup>3</sup>	7 : 2		
5)	1,200 in <sup>3</sup>	2 : 4.3		
6)	3,645 ft <sup>3</sup>	9 : 8		