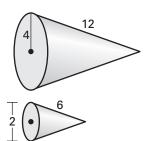


2.

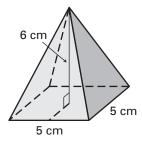


Complete the table.

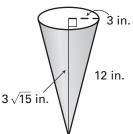
		Surface Area	Volume	Scale Factor of A to B
3.	Solid A	64 in. ²	28 in. ³	1:2
	Solid B			
4.	Solid A			2:1
	Solid B	$608\pi\mathrm{in.^2}$	$1920\pi \text{in.}^3$	
5.	Solid A	36 cm ²	12 cm ³	?
	Solid B	$324\pi \text{in.}^2$?	
6.	Solid A	108 ft ²	54 ft ³	2:3
	Solid B			

Find the surface area and volume of the solid. Then use the scale factor to find the surface area and volume of the similar solid.

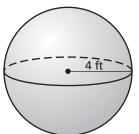
7. Scale factor 1:3



8. Scale factor 1:4



9. Scale factor 2:7



In Exercises 10 and 11, use the following information.

You have purchased a scale model of a car. The scale factor is 1:24. The model is 2.9 inches high, 2.75 inches wide, and 6.4 inches long.

- **10.** Find the dimensions of the car in feet.
- **11.** If the rear cargo area of the actual car has a volume of 12.5 cubic feet, what is the volume of the rear cargo area of the model?