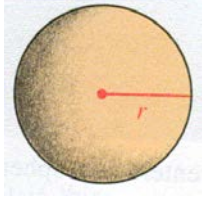


Complete the table for the spheres described.



	1	2	3	4	5	6	7	8
Radius	7	5	$\sqrt{2}$	3	5	4	2	10
Surface Area	$196\pi$	$100\pi$	$8\pi$	$36\pi$	$100\pi$	$64\pi$	$16\pi$	$400\pi$
Volume	$\frac{1372}{3}\pi$	$\frac{500}{3}\pi$	$\frac{8\sqrt{2}}{3}\pi$	$36\pi$	$\frac{500}{3}\pi$	$\frac{256}{3}\pi$	$\frac{32}{3}\pi$	$\frac{4000}{3}\pi$

9. A scoop of ice cream with diameter 6 cm is placed in an ice cream cone with diameter 5 cm and height 12 cm. Is the cone big enough to hold all the ice cream if it melts?

**The cone is not big enough... so start eating!**