

12.6 – AREA & VOLUME OF SPHERES

Find the indicated measures for each sphere described.

1. SA = _____ V = _____	<i>Radius = 9 cm</i>
2. SA = _____ V = _____	<i>Radius = 2m</i>
3. SA = _____ V = _____	<i>Radius = 15 in</i>
4. $r =$ _____ V = _____	<i>Surface Area = 200π square units</i>
5. $r =$ _____ SA = _____	<i>Volume = 288π cubic cm.</i>

<p>6. $r =$ _____</p> <p>$V =$ _____</p>	<p><i>Surface Area = 256π square feet</i></p>
<p>7. SA = _____</p> <p>$V =$ _____</p>	<p><i>Radius = $\frac{1}{4}$ in</i></p>
<p>8. $V =$ _____</p>	<p><i>Surface Area = 36π square units</i></p>
<p>9. SA = _____</p> <p>$V =$ _____</p>	<p><i>$d = 40$ ft</i></p>
<p>10. SA = _____</p>	<p><i>Circumference of great circle = 16π m.</i></p>