

Ch. 8 Book Test (pg. 366) Answers

1. $12,000\pi \sim 37,680 \text{ mm}^3$
2. $4.5\pi \sim 14.1 \text{ cm}^3$
3. $8,788\pi/3 \sim 9,198.1 \text{ ft}^3$
4. $552\pi \sim 1733.3 \text{ m}^3$
5. A) $l = 7.5 \text{ cm}$ B) 216 cm^2
6. Cylindrical glass; about 6.2 in^3
7. $\sim 42.7 \text{ in}^3$
8. Skip
9. Glass A
10. Cube; The sphere could fit inside the cube and there would still be extra space outside the sphere but inside the cube.