

Volume of Prisms and Cylinders

Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

1) $B: \frac{1}{2}(11)(6)$
 $: 24$
 $VOL: 24 \cdot 10$
 $= 240 \text{ ft}^3$

2) $B: \frac{1}{2}(11)(8.9)$
 $: 48.95$
 $VOL: 48.95 \cdot 5$
 $VOL: 244.75 \text{ cm}^3$

3) $B: 25\pi$
 $VOL: 25\pi \cdot 11$
 $275\pi \text{ cm}^3$

4) $B: 144\pi$
 $VOL: 144\pi \cdot 8$
 $1152\pi \text{ in}^3$

5) $B: \frac{1}{2}(4)(1.5)$
 $B: 3$
 $VOL: 3 \cdot 2$
 $= 6 \text{ in}^3$

6) $B: \frac{1}{2}(5)(4.9)$
 $: 29.4$
 $VOL: 29.4 \cdot 10$
 294 ft^3

7) $B: 24$
 $VOL: 24 \cdot 7$
 168 mi^3

8) $B: \frac{1}{2}(8)(6)$
 $: 24$
 $VOL: 24 \cdot 10$
 240 yd^3

9) $B: 49\pi$
 $VOL: 49\pi \cdot 2$
 $98\pi \text{ m}^3$

10) $B: 100\pi$
 $VOL: 100\pi \cdot 8$
 $800\pi \text{ yd}^3$