

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

### Volume of Cylinder Worksheet

Calculate the volume and approximate your answer to the nearest hundredth:  
(Use calculator. Do not use  $22/7$  for pi value)

Radius = 5 ft; Height = 8 ft          Volume = _____	Diameter = 7.5 yd; Height = 6.2 yd          Volume = _____
Radius = 24.12 mm; Height = 35.65 mm          Volume = _____	Diameter = 17 in; Height = 9.2 in          Volume = _____
Radius = 9 yd; Height = 4.35 yd          Volume = _____	Diameter = 12 ft; Height = 12 ft          Volume = _____
Radius = 18.25 mm; Height = 20.5 mm          Volume = _____	Diameter = 10.75 cm; Height = 8.12 cm          Volume = _____

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### Answers

Radius = 5 ft; Height = 8 ft	Diameter = 7.5 yd; Height = 6.2 yd
Volume = $628.32 \text{ ft}^3$	Volume = $273.91 \text{ yd}^3$
Radius = 24.12 mm; Height = 35.65 mm	Diameter = 17 in; Height = 9.2 in
Volume = $65157.44 \text{ mm}^3$	Volume = $2088.22 \text{ in}^3$
Radius = 9 yd; Height = 4.35 yd	Diameter = 12 ft; Height = 12 ft
Volume = $1106.94 \text{ yd}^3$	Volume = $1357.17 \text{ ft}^3$
Radius = 18.25 mm; Height = 20.5 mm	Diameter = 10.75 cm; Height = 8.12 cm
Volume = $21450.11 \text{ mm}^3$	Volume = $736.99 \text{ cm}^3$