

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 ft^3	Volume = 273.91 yd^3
Radius = 24.12 mm; Height = 35.65 mm	Diameter = 17 in; Height = 9.2 in
Volume = 65157.44 mm^3	Volume = 2088.22 in^3
Radius = 9 yd; Height = 4.35 yd	Diameter = 12 ft; Height = 12 ft
Volume = 1106.94 yd^3	Volume = 1357.17 ft^3
Radius = 18.25 mm; Height = 20.5 mm	Diameter = 10.75 cm; Height = 8.12 cm
Volume = 21450.11 mm^3	Volume = 736.99 cm^3