Student Name: _____ **Score:**

Volume of a Sphere

Work Space

Radius = 1.5 yards Find the exact volume of the sphere. Volume = _____	
Diameter = 6 feet Find the exact volume of the sphere. Volume = _____	
Find the volume of a sphere with a radius of 7 cm, to the nearest hundredths place. Volume = _____	
Find the volume of air in a spherical balloon with a radius of 4.6 inches, to the nearest two decimal places. Volume = _____	
A tank is in the shape of a sphere with a diameter of 9 feet. Find the exact volume of water the tank can hold. Volume = _____	

Student Name: _____ **Score:**

Answers: Work Space

Radius = 1.5 yards Find the exact volume of the sphere. Volume = $4.5\pi\ yd^3$	
Diameter = 6 feet Find the exact volume of the sphere. Volume = $36\pi\ ft^3$	
Find the volume of a sphere with a radius of 7 cm, to the nearest hundredths place. Volume = $1436.76\ cm^3$	
Find the volume of air in a spherical balloon with a radius of 4.6 inches, to the nearest two decimal places. Volume = $407.72\ in^3$	
A tank is in the shape of a sphere with a diameter of 9 feet. Find the exact volume of water the tank can hold. Volume = $121.5\pi\ ft^3$	