

Phinizy Center for Water Sciences

Area of a Tree Data Sheet

Names: _____

Area of Tree 1

- Measure circumference in inches:** _____ 70 _____ in. circumference
(at DBH, 4.5 ft)
- Calculate diameter of tree:**
Diameter = circumference / π _____ in. diameter
- Calculate radius of tree:**
Radius = diameter / 2 _____ in. radius
- Convert radius inches to feet:**
Radius (ft) = radius (in) / 12 _____ ft. radius
- Calculate area of tree:**
Area = $\pi \times \text{radius}^2$ (πr^2) _____ ft² area

Area of Tree 2

- Measure circumference in inches:** _____ 37 _____ in. circumference
(at DBH, 4.5 ft)
- Calculate diameter of tree:**
Diameter = circumference / π _____ in. diameter
- Calculate radius of tree:**
Radius = diameter / 2 _____ in. radius
- Convert radius inches to feet:**
Radius (ft) = radius (in) / 12 _____ ft. radius
- Calculate area of tree:**
Area = $\pi \times \text{radius}^2$ (πr^2) _____ ft² area