

Name _____
HW #8.1Date _____
Period _____

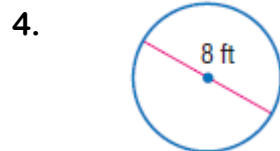
Find the radius or diameter of each circle with the given dimensions. Show all work, including a formula.

1. $d = 5 \text{ mm}$
 $r = ?$

2. $d = 22 \text{ ft}$
 $r = ?$

3. $r = 17 \text{ cm}$
 $d = ?$

Find the circumference of each circle. Show all work, including a formula. State your answer in terms of π and to the nearest tenth if necessary.



7. The Belknap shield volcano is located in the Cascade Range in Oregon. The volcano is circular and has a diameter of 5 miles. What is the circumference of this volcano? Leave your answer in terms of π .

8. The largest tree in the world by volume is in Sequoia National Park. The diameter at the base is 36 feet. If a person with outstretched arms can reach 6 feet, how many people would it take to reach around the base of the tree?

9. Find the diameter of a basketball hoop with a circumference of 56.52 inches. Round to the nearest whole number.