

Name: _____ Date: _____ Row: _____ Period: _____

NOTES SECTION 11.5: CIRCUMFERENCES AND AREAS OF CIRCLES

CIRCUMFERENCE

AREA

π

Complete the table.

	1)	2)	3)	4)	5)	6)	7)	8)
Radius								
Circumference								
Area								

1)	2)	3)	4)
5)	6)	7)	8)

9) Find the circumference and area of each circle to the nearest tenth. Use $\pi \approx 3.14$.		
a)	b)	c)
10) Find the circumference and area of each circle. Use $\pi \approx \frac{22}{7}$.		
a)	b)	c)
11) Find the area of a circular rug with radius _____ m to the nearest square meter. Use $\pi \approx 3.14$.	12) Find the radius of a pizza pan if its circumference is _____ ft. Use $\pi \approx 3.14$.	13) Find the diameter of a pipe if the area of a cross-section is _____ cm^2 . Use $\pi \approx 3.14$.
14) Marge wants to enclose her circular flower garden with fencing that costs \$2.95 a foot. If her garden has a radius of _____ ft, how much will the fencing cost? Use $\pi \approx \frac{22}{7}$.		
15) The diameter of a bicycle wheel is _____ in. Use $\pi \approx \frac{22}{7}$.		
a) How far does the bicycle travel with each revolution of the wheel?	b) How many revolutions will it take to go one mile (63,360 inches)?	