

PreCalculus  
Angle Measure WS

Name \_\_\_\_\_

Convert each degree measure to **exact** radian measure.

1. $-415^\circ$	2. $-519^\circ$	3. $570^\circ$
4. $-174^\circ$	5. $473^\circ$	6. $905^\circ$
7. $-799^\circ$	8. $100^\circ$	9. $44^\circ$
10. $401^\circ$	11. $270^\circ$	12. $812^\circ$
13. $-712^\circ$	14. $-623^\circ$	15. $-332^\circ$

Convert each radian measure to degree measure.

16. $\frac{17\pi}{180}$	17. $\frac{131\pi}{36}$	18. $\frac{191\pi}{45}$
19. $\frac{-71\pi}{90}$	20. $\frac{97\pi}{30}$	21. $\frac{-179\pi}{36}$
22. $\frac{55\pi}{12}$	23. $\frac{-233\pi}{180}$	24. $\frac{-5\pi}{18}$
25. $\frac{299\pi}{180}$	26. $\frac{269\pi}{60}$	27. $\frac{89\pi}{30}$
28. $\frac{47\pi}{45}$	29. $\frac{91\pi}{18}$	30. $\frac{107\pi}{45}$