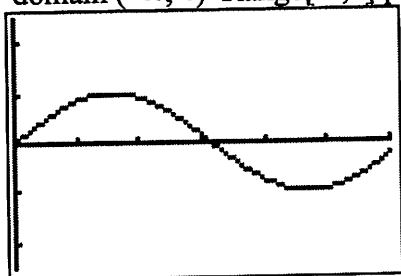


Math Analysis
Chapter 7 review

$Y = \sin x$

domain $(-\infty, \infty)$ Range $[-1, 1]$ period 2π

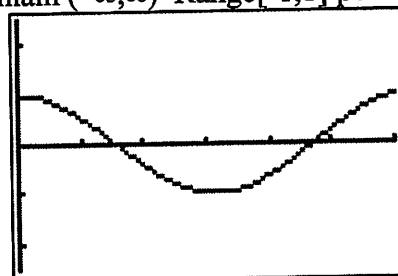


Name _____

Date _____ Period _____

$y = \cos x$

domain $(-\infty, \infty)$ Range $[-1, 1]$ period 2π



Solve for all angles $0 \leq \theta \leq 2\pi$

5. $\cos \theta = -1$ π

6. $\sin \theta = -\frac{\sqrt{2}}{2}$ $5\pi/4$ $7\pi/4$

7. If θ is a third quadrant angle and $\tan \theta = 3/4$ find the other 5 trig functions

Sin	θ	$-3/5$	Csc	θ	$-5/3$
Cos	θ	$-4/5$	Sec	θ	$-5/4$
Tan	θ	$3/4$	Cot	θ	$4/3$

find (2 pts each)

8. $\csc 210^\circ = -2$

9. $\sin -60^\circ = -\frac{\sqrt{3}}{2}$

10. $\tan 135^\circ = -1$

11. $\sec \pi/2 = \text{undefined}$

12. Find $\csc \theta$ if $\tan \theta = -7/24$ and θ is a third quadrant angle $25/7$

insert $>$, $<$ or $=$

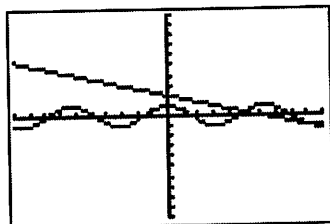
13. $\sin 50^\circ < \sin 75^\circ$

14. $\cos 100^\circ > \cos 170^\circ$

15. $\cos 20^\circ = \cos 340^\circ$

16 Sketch the graph of $y = \cos x$ and $y = -\frac{1}{3}x + 2$

How many points of intersection are there?



19. $460^\circ, -260^\circ$

20. Name two coterminal angles for 130° , one positive and one negative. Express angles in degrees. $490^\circ, -230^\circ$