

Part I

Homework 7.2.2

Name _____

Per _____

A. Determine the amplitude and period of each function.

a) $y = \sin 4x$

b) $y = \cos 5x$

c) $y = 4 \cos x$

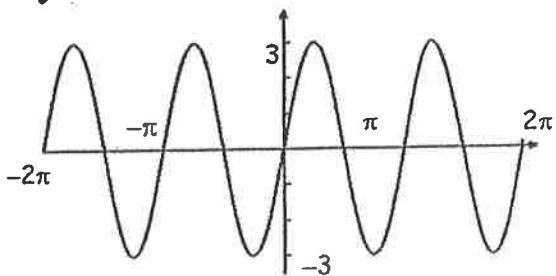
d) $y = -2 \sin x$

e) $y = 3 \sin \frac{2}{3}x$

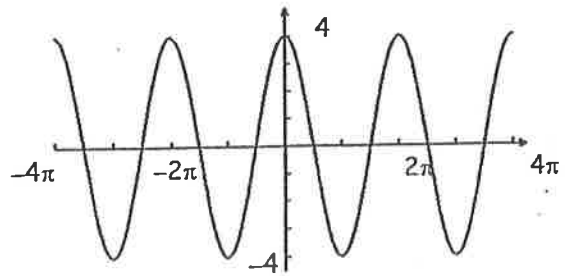
f) $y = -4 \cos 5x$

B. Give the amplitude and period of each function graphed below. Then write an equation of each graph.

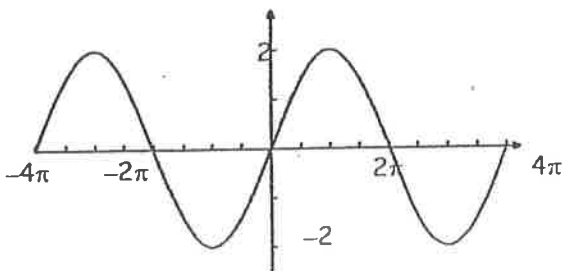
g)



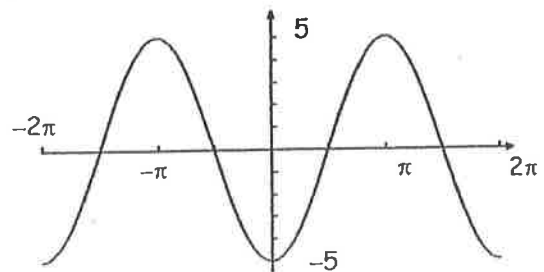
h)



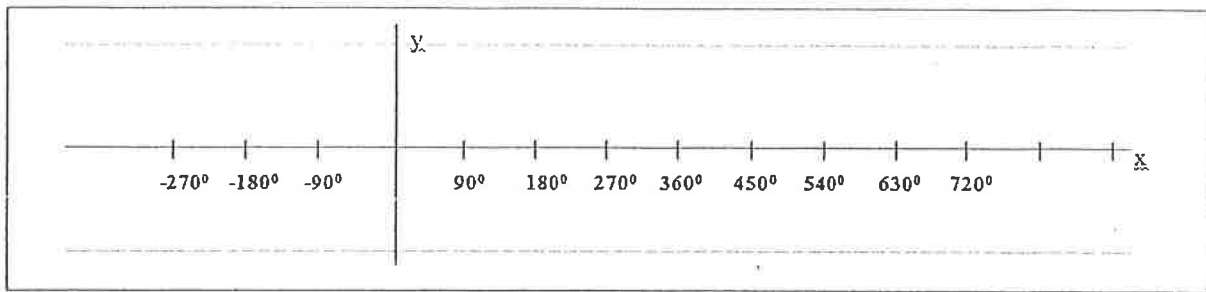
i)



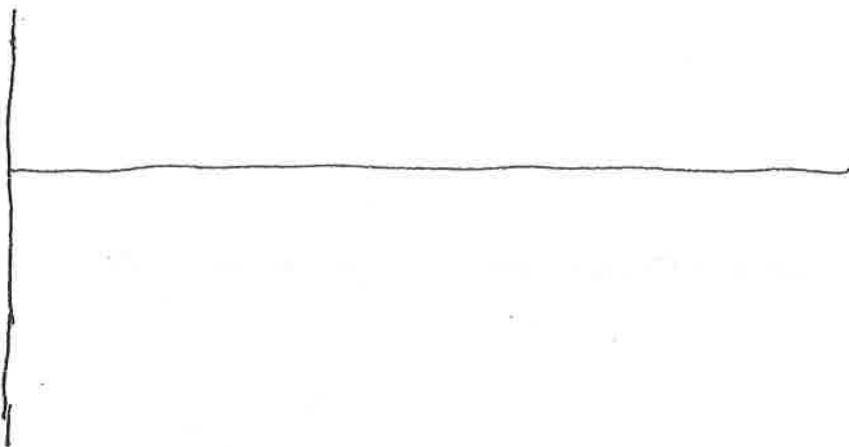
j)



C. Graph $y = 3 \sin\left(\frac{1}{2}\theta\right)$



D. Sketch and label 1 cycle of
 $y = 6 \cos(\theta) - 3$



Part 2 Homework
from textbook 7-¹¹⁹ 130, 132-133, 134b

- do on separate paper
- staple underneath this sheet