Name key Date_____ Hour_____

Section 14.1 – Day 2

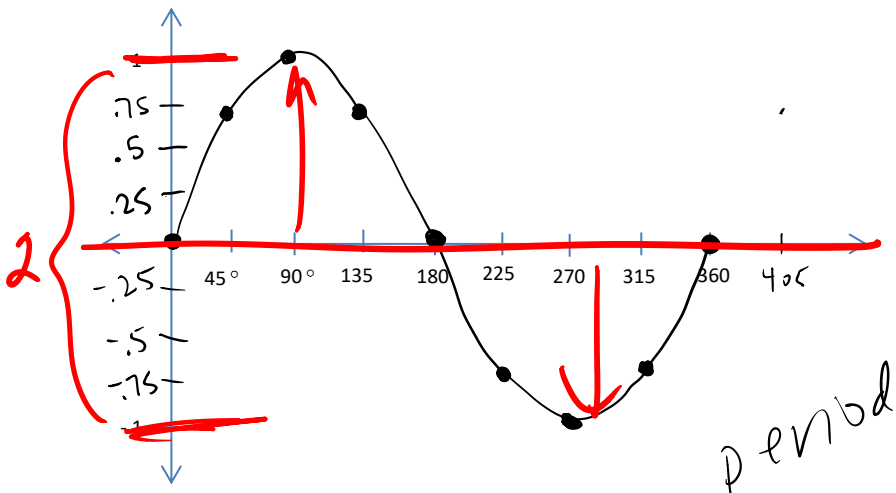
Alg 2 Trig G

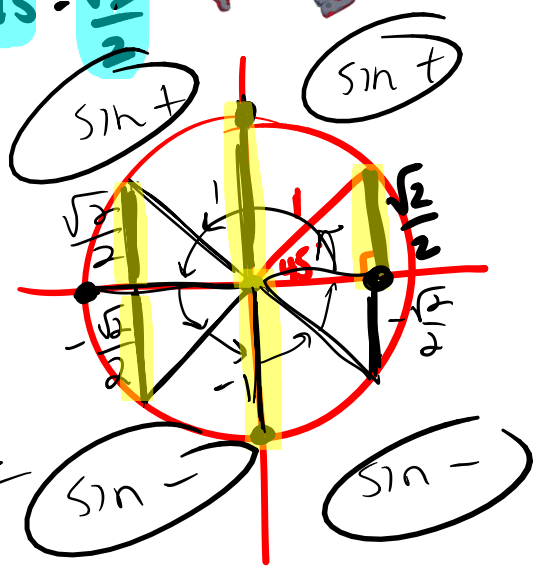
Graph

★ $y = \sin x$

$\frac{\sqrt{2}}{2} = .707$ $\frac{\sqrt{3}}{2} = .866$

sin 45 : $\frac{\sqrt{2}}{2}$

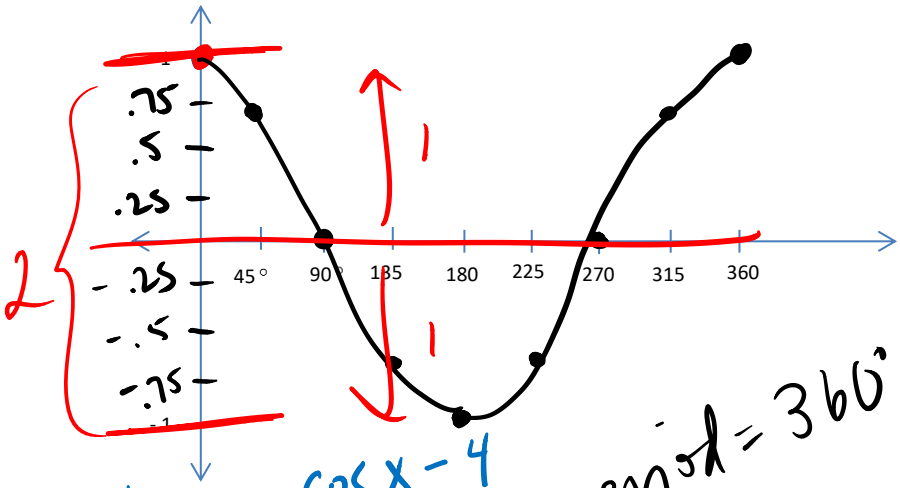


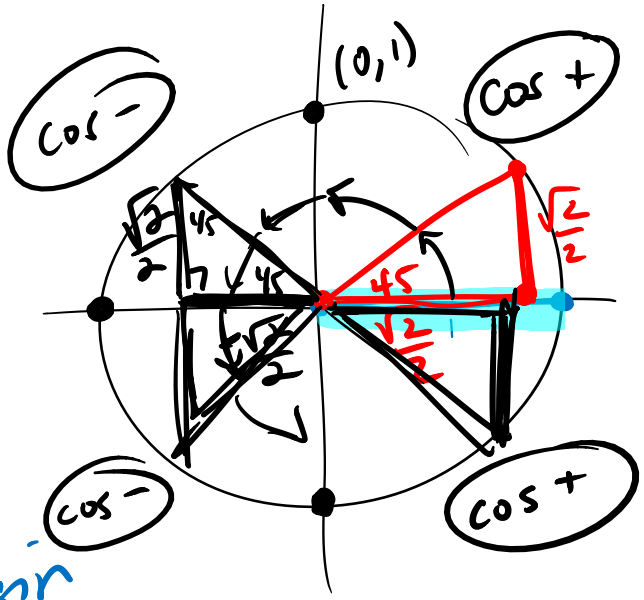


period = 360°

Graph

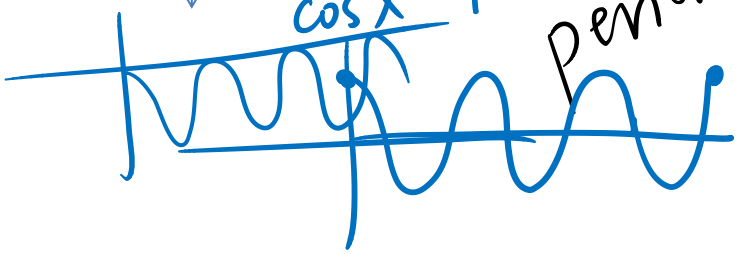
$y = \cos x$



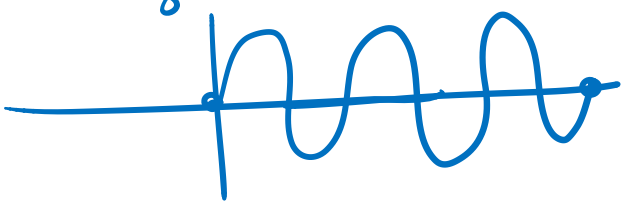


period = 360°

cos x − 4



sin



Amplitude of a periodic function-

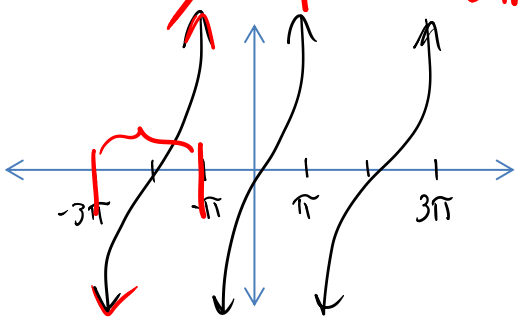
Half the distance between the maximum and the minimum values.

What is the amplitude of $y = \sin x$? 1

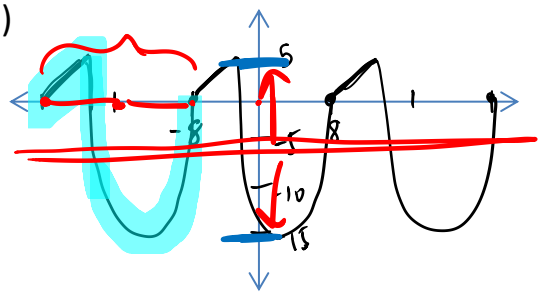
What is the amplitude of $y = \cos x$? 1

State the amplitude and period of each function:

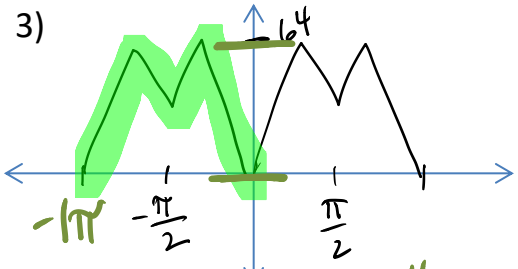
1) A = ∅ period = 2π



2) period = 16 A = 20/2 = 10

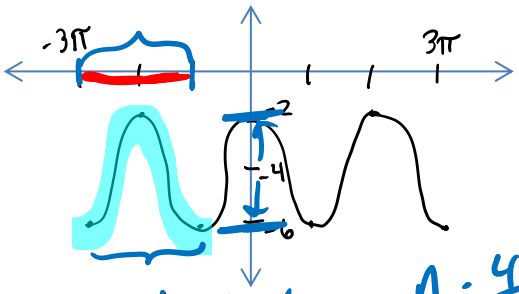


3)



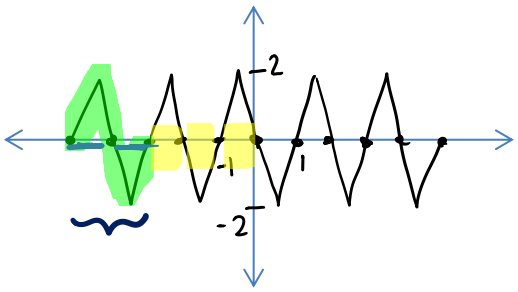
period = π A = 64/2 = 32

4)



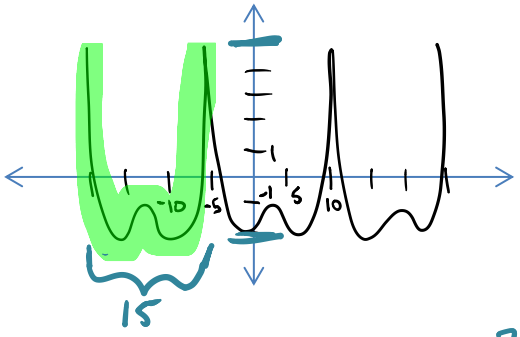
period = 2π A = 4/2 = 2

5)



period = 2 A = 4/2 = 2

6)



period = 15 A = 7/2 = 3.5