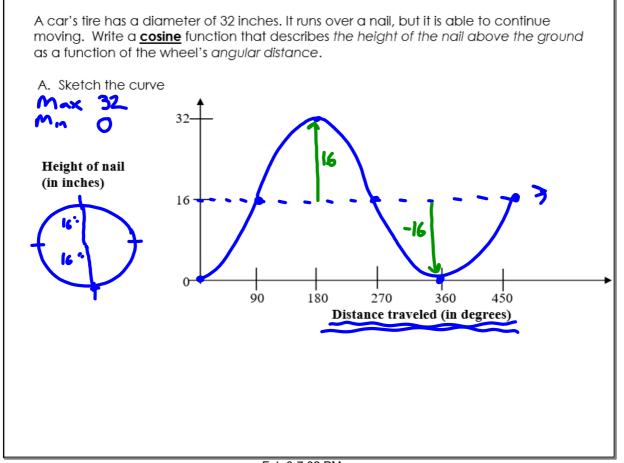
Day 8: Application #1

Feb 6-7:01 PM



Feb 6-7:02 PM

B. Identify the vertical shift

K:16

 $f(x) = A \cos(\omega(x-h)) + k$

A C. Identify the amplitude

amp: 16

D. Find the horizontal shift

Jone

᠘ E. Find the cycle (distance of each rotation) and period Since the function will consist of angular distance, we'll use 360 degrees for each

l cycle in 360°

F. Write the equation to model this situation.

G. If the car wheel frame covers the top half of the wheel, when will the nail be visible?

(0,90) (270,450)

Feb 6-7:03 PM