

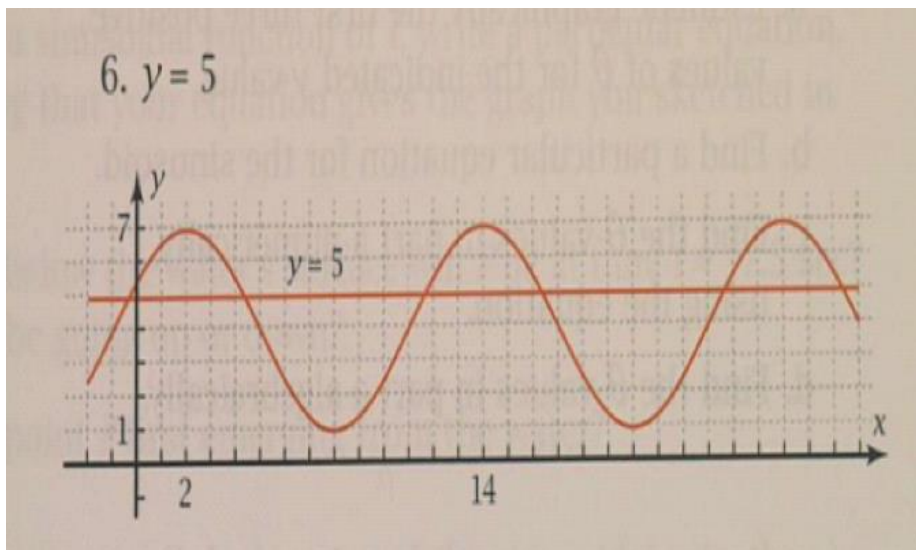
Section 3-6 Inverse Circular Relations (Arccosine)

\cos^{-1} means just the principal value
arccos means all general solutions

$$\cos^{-1} \frac{\sqrt{3}}{2}$$

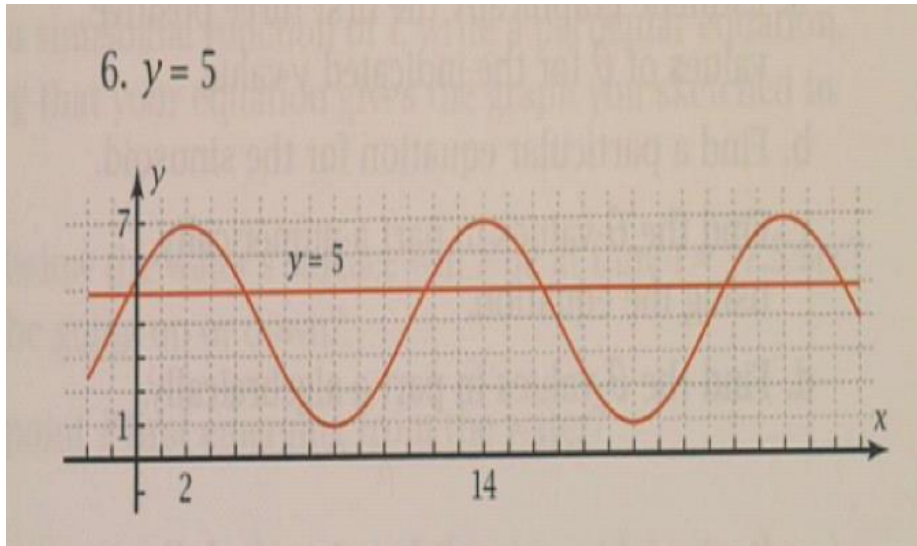
$$\arccos \frac{\sqrt{3}}{2}$$

Find first five positive values.



- Estimate **graphically** the x-values shown for the indicated y-value.
- Find a particular equation of the sinusoid.

6. $y = 5$



c. Find the x-values in part (a) **numerically**. (**Use intersect feature on Calculator)

d. Find the x-values in part (a) **algebraically**.