

4. State the amplitude of each periodic function. Sketch the graph of each function.

a) $y = 2 \sin \theta$

b) $y = \frac{1}{2} \cos \theta$

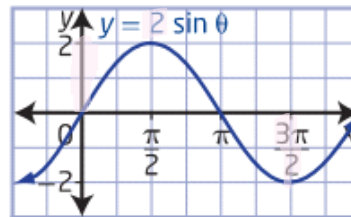
c) $y = -\frac{1}{3} \sin x$

d) $y = -6 \cos x$

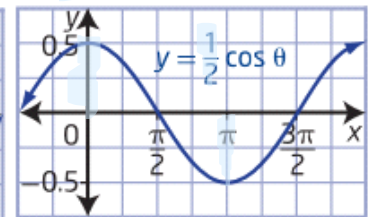
the vertical stretch
is the same as
the amplitude

(does not have a
sign, don't use
the minus b/c
this is a distance)

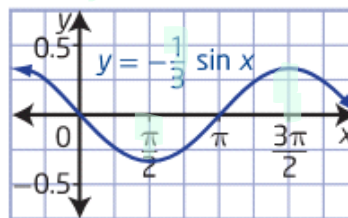
4. a) 2



b) $\frac{1}{2}$



c) $\frac{1}{3}$



d) 6

