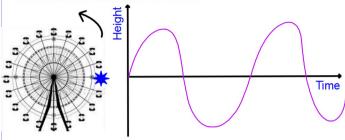
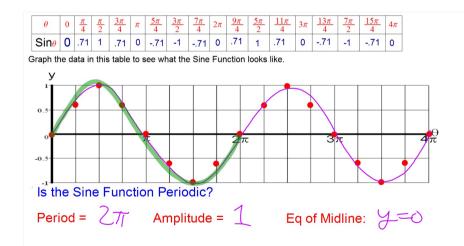
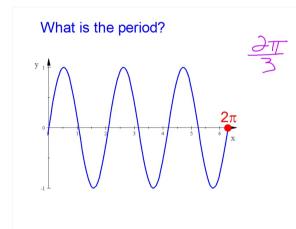
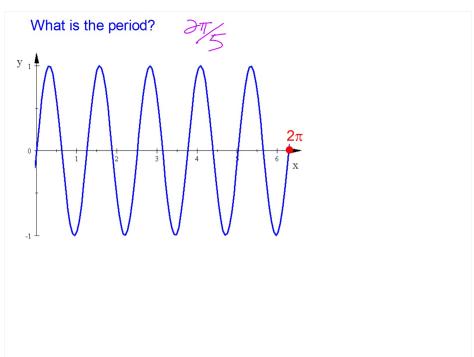
Suppose the you get on a Ferris Wheel at the spot marked with the star. Sketch the graph of your height above/below the spot marked with the star as the Ferris Wheel turns.

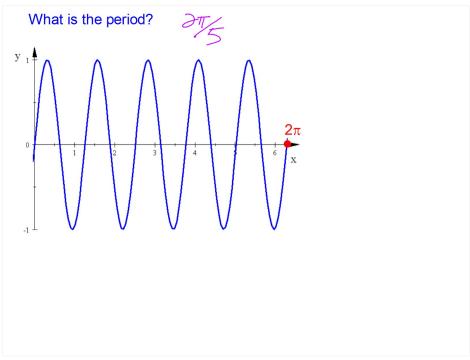


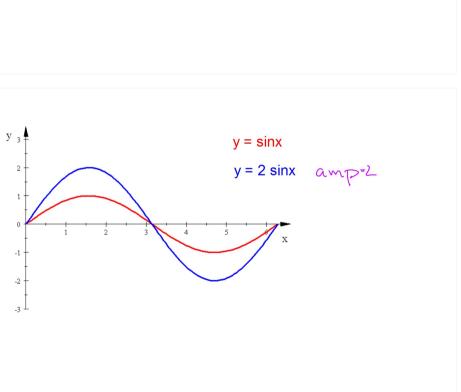


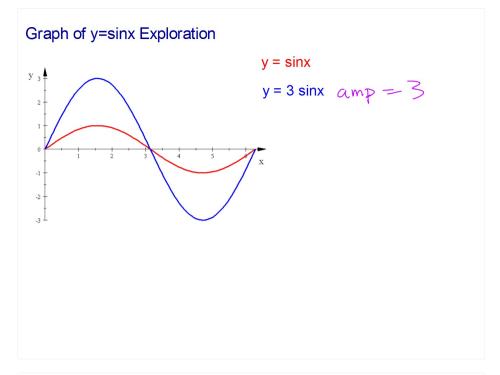
http://www.sfu.ca/~jtmulhol/calculus-applets/GeoGebra-Worksheets/trigonometric-graphs.html

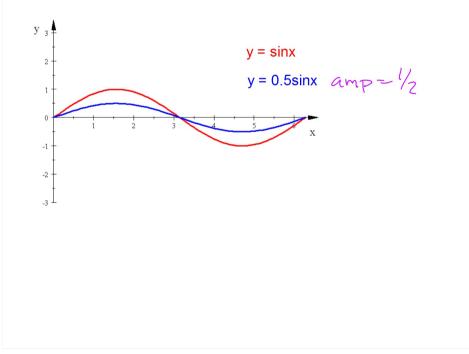


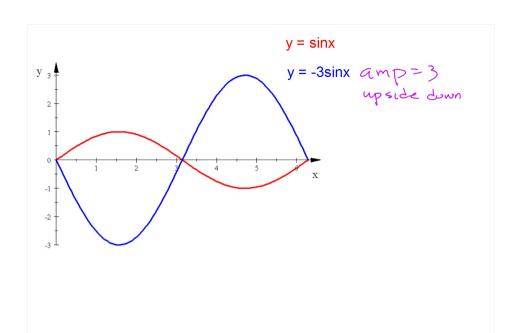












http://curvebank.calstatela.edu/cs390trig/cs390trig.htm

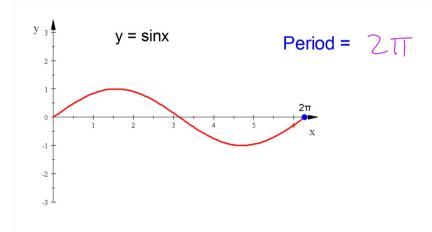
http://www.intmath.com/trigonometric-graphs/1-graphs-sine-cosine-amplitude.php

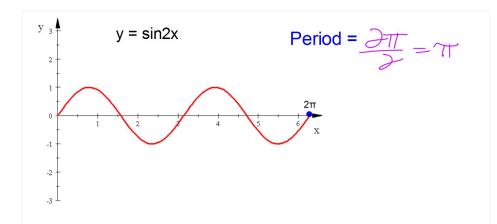
http://www.analyzemath.com/trigonometry/sine.htm

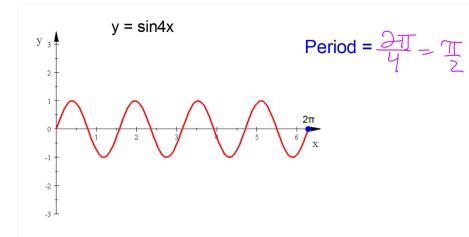
$$y = asinx$$

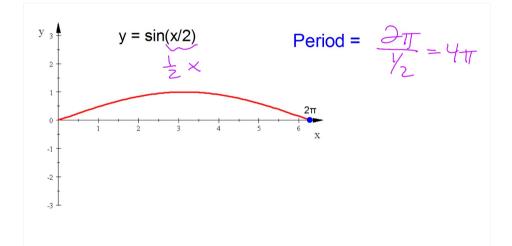
If a<0 then there is an x-axis reflection.

Upside down









The period of y=sinx is 
$$2\pi$$

The period of y=sin2x is  $\pi$ 

The period of y=sin4x is  $\pi/2$ 

The period of y=sin(x/2) is  $4\pi$ 

The period of y=sin(x/2) is  $4\pi$ 

The period of y = sinbx

Period =  $\frac{2\pi}{b}$ 

If eq is y = sin(x/5)