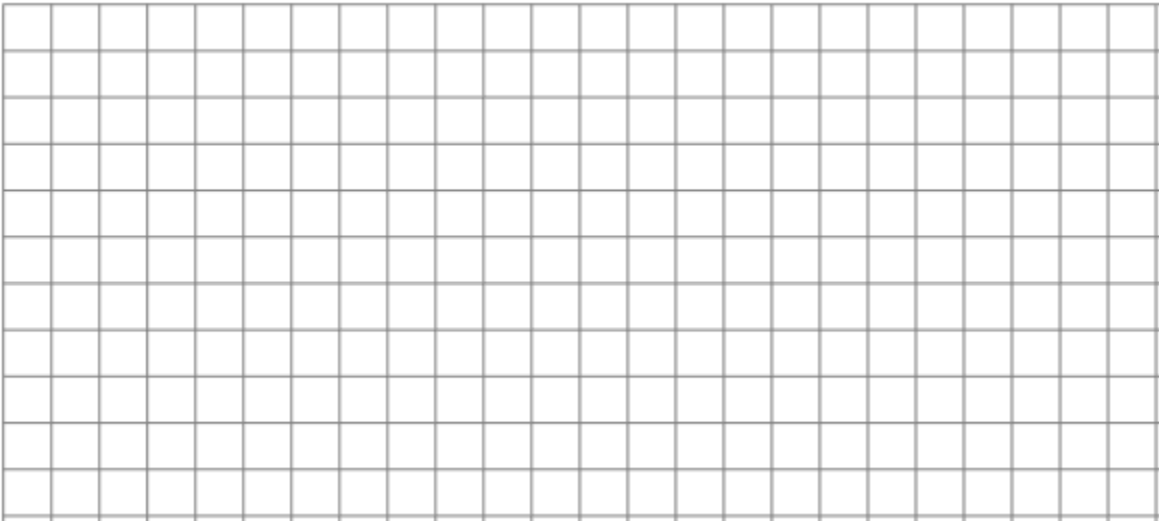
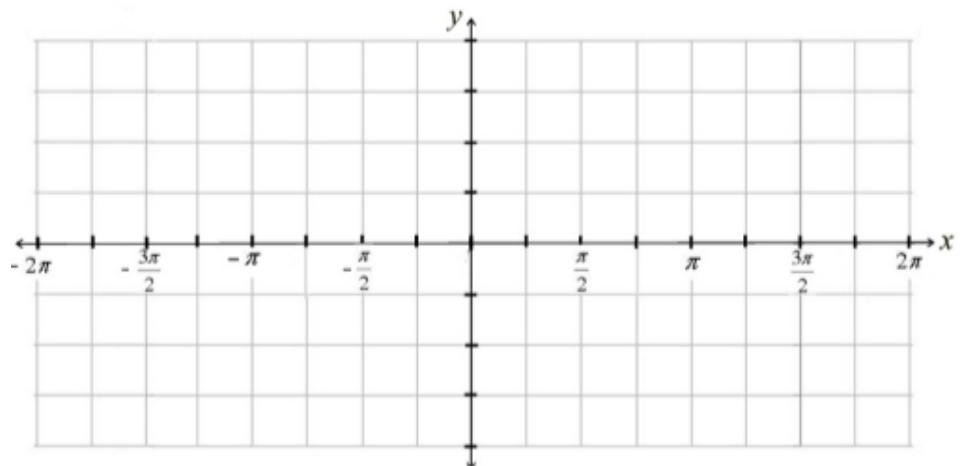


1. Graph $f(x) = -3 \sin\left(\frac{x}{2} + \frac{\pi}{8}\right) + 2$.

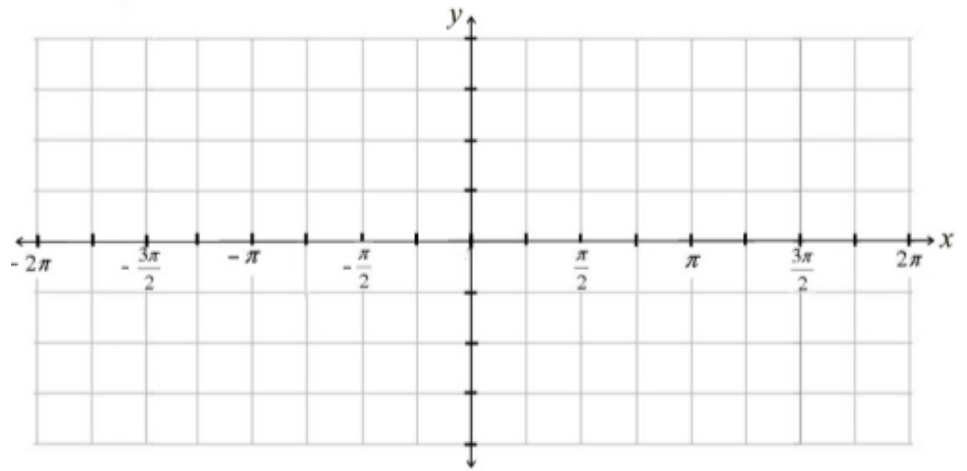
Determine the amplitude, period, phase shift, and vertical shift.



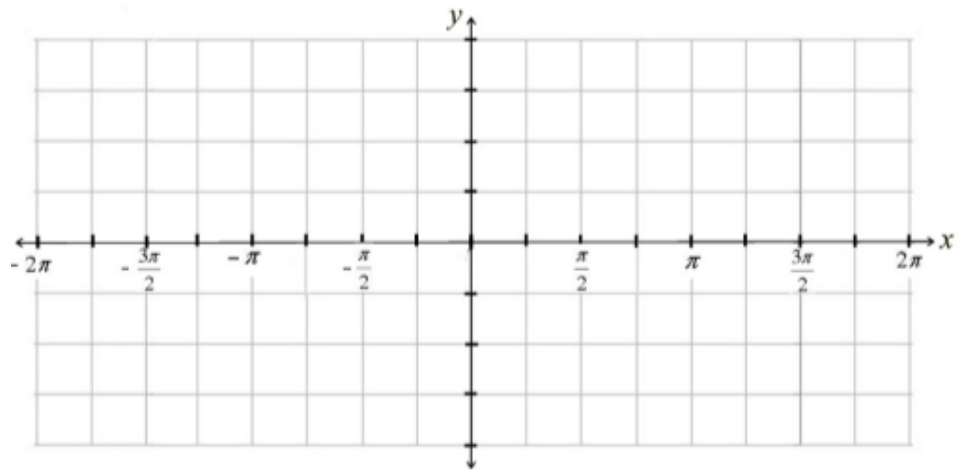
2. Graph $f(x) = \csc x$ on $[-2\pi, 2\pi]$.



3. Graph $f(x) = \tan x$ on $[-\frac{3\pi}{2}, \frac{3\pi}{2}]$.



4. Graph $f(x) = \sec x$ on $[-2\pi, 2\pi]$.



5. Graph $f(x) = \cot x$ on $[-2\pi, 2\pi]$.

