It looks like you confused the effect of *a* and *b* in $y = a\sin bx$. The amplitude of this graph is 3, while the amplitude of $y = 2\sin 3x$ is 2. This graph has 2 cycles in the interval $[0, 2\pi]$, or a period of π. The period of $y = 2\sin 3x$ is $\dfrac{2\pi}{3}$.