

## Precalculus

**Generate a formula from sine/cosine graph,  
amplitude, period and phase modified**

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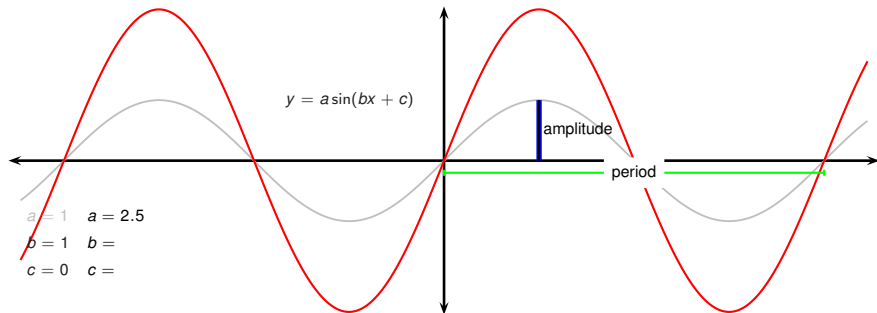
2019

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### Definition (Phase, period, frequency, amplitude of a wave)

In the function  $a \sin(bx + c)$ , the number  $|a|$  is called the *amplitude* of the wave, the number  $\frac{b}{2\pi}$  is called the *frequency* of the wave, the number  $\frac{2\pi}{b}$  is called the *period* of the wave, the number  $c$  is called the *phase* of the wave.

- What happens when we change the amplitude? The frequency/period? The phase?

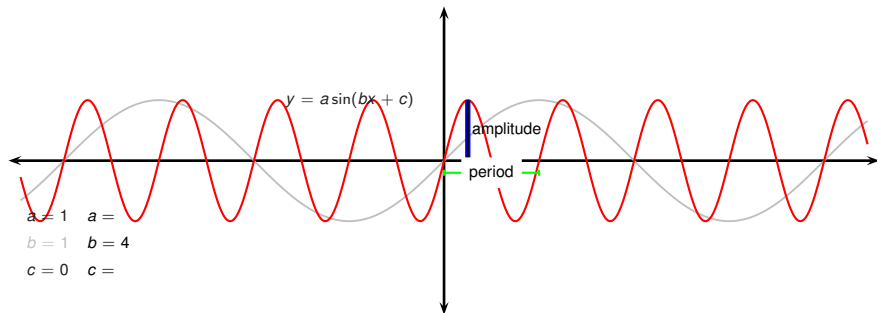


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