Precalculus
Generate a formula from sine/cosine graph, amplitude modified

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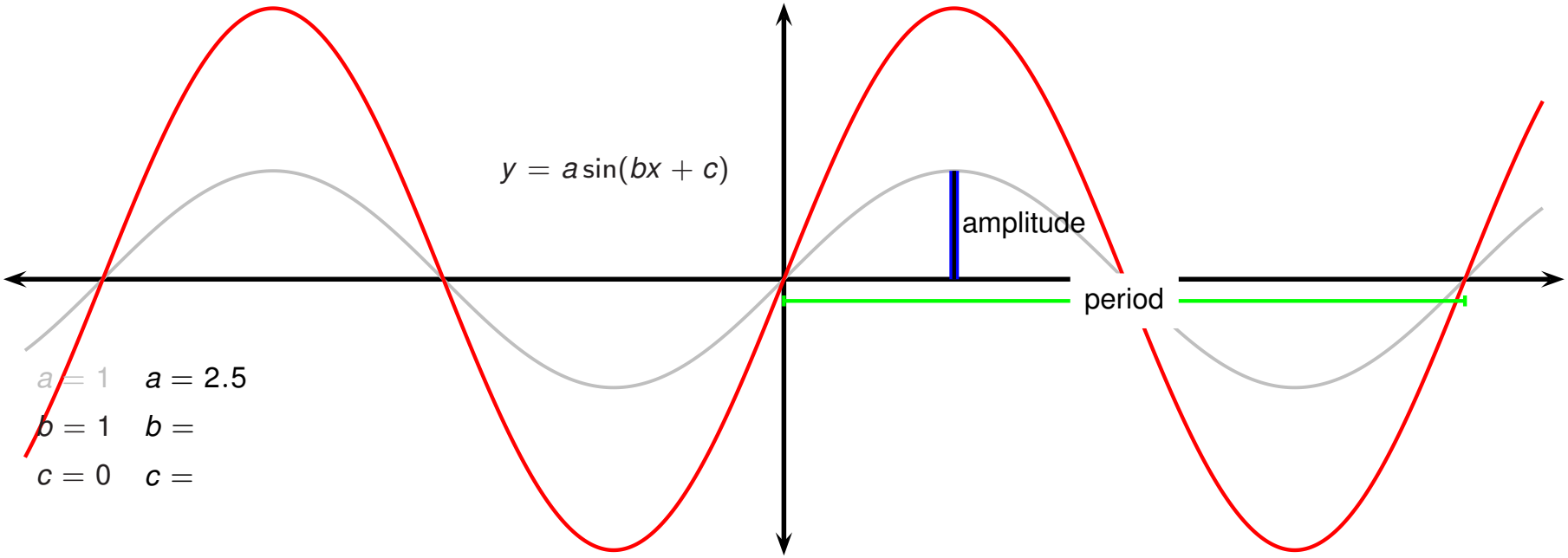
- The graph of $a\sin(bx+c)$ is referred to as a "wave".

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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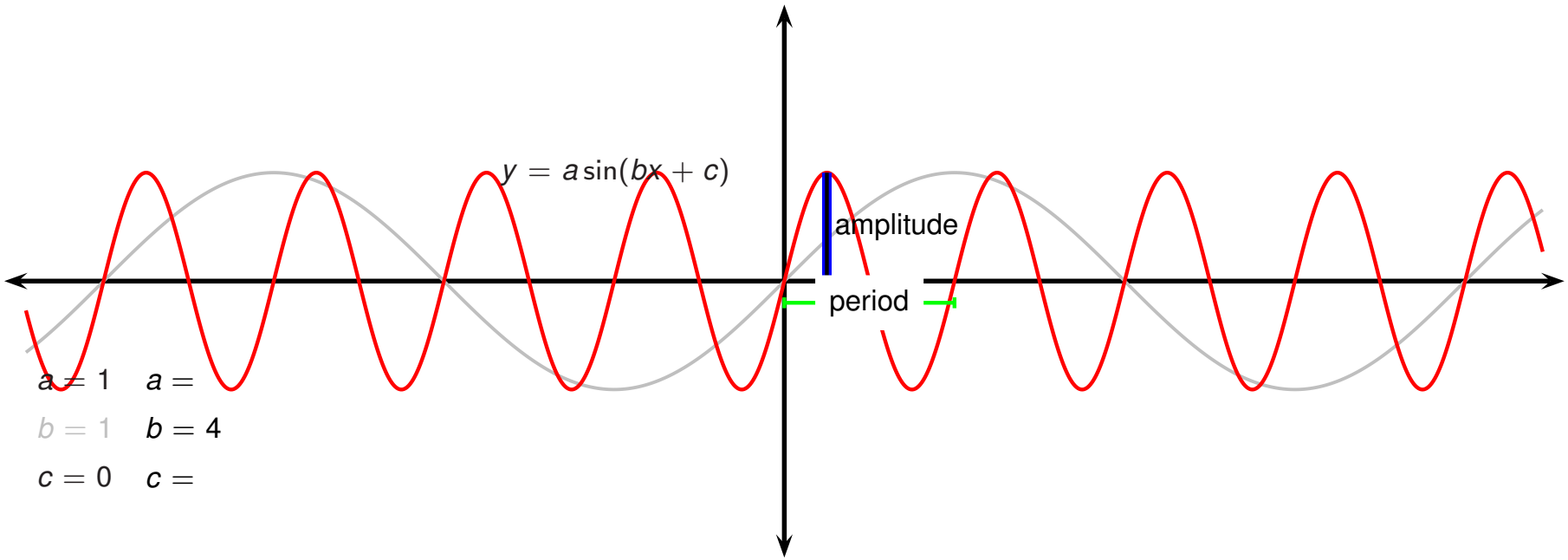

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