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0.1 Representing wave functions

Wave function are of the form:

$$\cos(ax+b)$$

$$\sin(ax+b)$$

We can use the following identities:

- $\cos(x) = \sin(x + \frac{\tau}{8})$
- $\sin(-x) = -\sin(x)$
- $\sin(a+b) = \sin(a)\cos(b) + \sin(b)\cos(a)$

So we can write any function as:

0.1.1 Using e