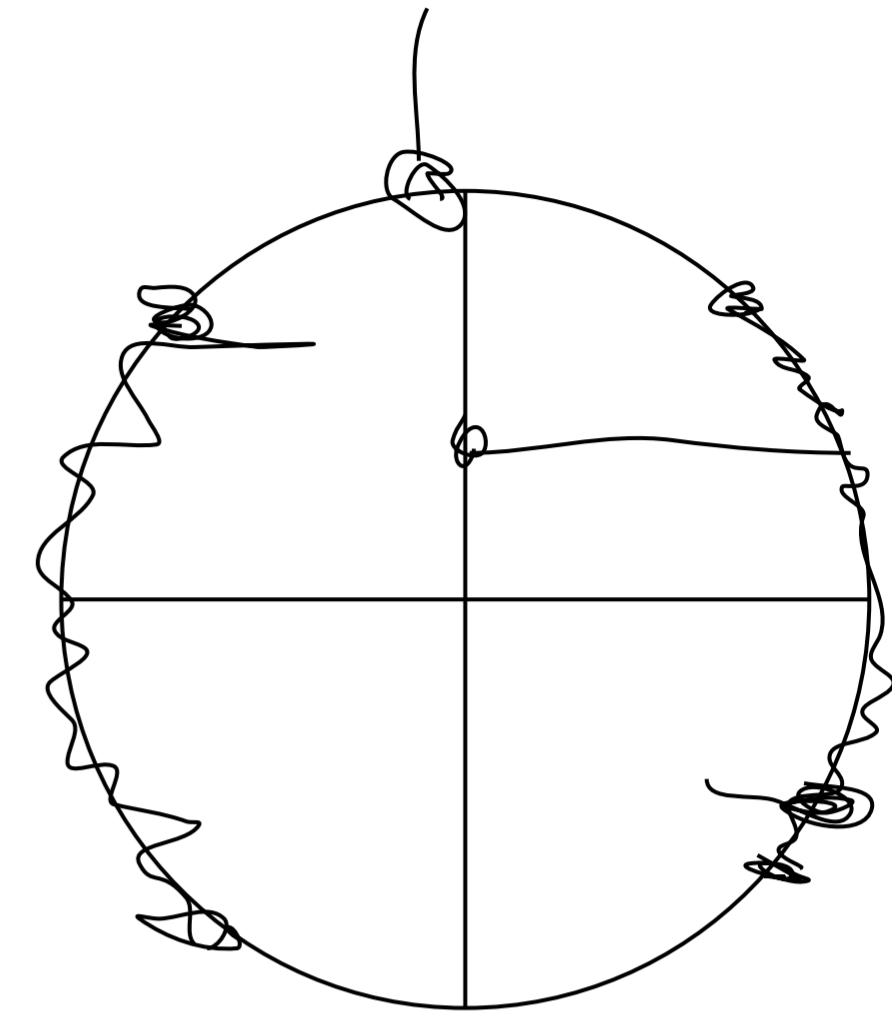


$$\sqrt{(\sin x + \cos x)^2} = \cos 2x$$

$$\sqrt{1 - \cos 2x} = \sin 2x$$



$$\sqrt{2} \sin(x + \pi/4) = \frac{-1 + \sqrt{5}}{2}$$