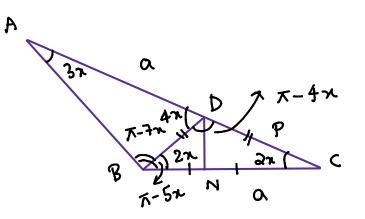
Question5

Solution.



$$\Rightarrow 2\cos 2\pi \cdot \sin 3\pi + \sin 3\pi = 2\cos 2\pi \cdot \sin 5\pi$$
  

$$\Rightarrow \sin 5\pi + \sin \pi + \sin 3\pi = \sin 7\pi + \sin 3\pi$$
  

$$\Rightarrow \sin 7\pi \cdot \sin 5\pi = \sin \pi$$
  

$$\Rightarrow 2\cos 6\pi \sin \pi = \sin \pi$$
  

$$\cos 6\pi = \frac{1}{2}$$