

$$\sin^8 x - \cos^5 x = 1$$

$$\sin^8 x = 0$$

$$\cos^5 x = -1$$

$$\sin x = 0$$

$$\cos x = -1$$

$$x = Pk$$

$$x = P + 2Pk$$

$$x = P + 2Pk$$

$$\sin^8 x = 1$$

$$\cos^5 x = 0$$

$$\sin x = 1$$

$$\cos x = 0$$

$$x = P/2 + 2Pk$$

$$x = P/2 + Pk$$

$$x = P/2 + 2Pk$$

$$\text{Answer: } P + 2Pk$$

$$P/2 + 2Pk$$