

3

e $f(x) = 1 - 2\sin^2 x$

CANCELLATION OCCURS
NEAR

$$x = \frac{n\pi}{2} \quad (n=1, 2, 3, \dots)$$

USE TRIG ID,

$$f(x) = 1 - (1 - \cos 2x)$$

$$f(x) = \cos 2x$$