

61 (a) Using radian mode, graph $Y_1 = X^2 \cos(X)$ in $[-2\pi, 2\pi, \pi/2]$ by $[-12, 6, 2]$. See *Figure 61*.

(b) $h(x)$ has y-axis symmetry. Thus, h is an even function.

(c) The product of an even function and an even function is an even function. Products of integers are similar.

$[-2\pi, 2\pi, \pi/2]$ by $[-12, 6, 2]$

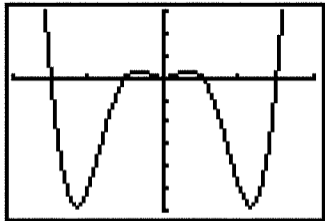


Figure 61