

59 Graph $Y_1 = 2X \cos(X+1)$ and $Y_2 = \sin(\cos(X))$ in $[-\pi/6, 2\pi, \pi/2]$ by $[-5, 5, 1]$.

The intersection of the two graphs is shown in *Figure 59a*.

Table $Y_1 = 2X \cos(X+1)$ and $Y_2 = \sin(\cos(X))$ starting at $x = 3.0$, incrementing by 0.1. See *Figure 59b*.

The solution is $x \approx 3.6$.

$[-\pi/6, 2\pi, \pi/2]$ by $[-5, 5, 1]$

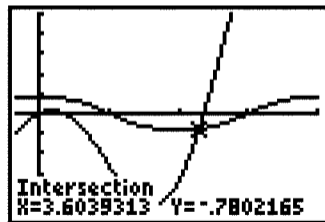


Figure 59a

X	Y ₁	Y ₂
3.0	-.922	.836
3.1	-.964	.841
3.2	-1.005	.8405
3.3	-1.045	.8346
3.4	-1.084	.8231
3.5	-1.122	.8055
3.6	-1.159	.7813

X=3.6

Figure 59b