

43 $x^3 - 3x + y = 1 \Rightarrow y = 1 + 3x - x^3$ and $x^2 + 2y = 3 \Rightarrow y = \frac{3 - x^2}{2}$. Graph $Y_1 = 1 + 3X - X^3$ and $Y_2 = (3 - X^2)/2$. See *Figure 43*. There are three points of intersection. The coordinates of these points are near $(-1.5878, 0.2395)$, $(0.1637, 1.4866)$, and $(1.9241, -0.3511)$.

$[-4, 4, 1]$ by $[-4, 4, 1]$

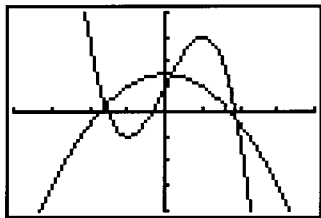


Figure 43