

11 (a) The graph of $f(x) = 0.025x^4 - 0.45x^2 - 5$ is shown in *Figure 11*.

(b) There are three turning points located at $(-3, -7.025)$, $(0, -5)$ and $(3, -7.025)$.

(c) At $x = \pm 3$ there is a local minimum of -7.025 , At $x = 0$ there is a local maximum of -5 .
[-10, 10, 1] by [-10, 10, 1]

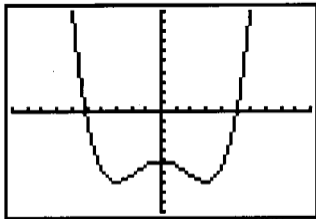


Figure 11