Question 2

secant   ibrahim yazici 131044011

$$p_2 = p_1 - \frac{f(p_1)}{\frac{f(p_1) - f(p_0)}{p_1 - p_0}}$$

$p_0 = -1 \; p_1 = 0$

$$p_2 = 0 - \frac{-1}{\frac{-1 - 0.459698}{1}} \quad p_2 = -0.6850732$$

$$p_3 = -0.6850732 - \frac{-0.452851}{\frac{-0.452851 + 1}{-0.6850732}}$$

$p_3 = -1.2520782$