

Name: _____

Newton's Method

Exercise 1: If Newton's Method is used to approximate the real root of $x^4 + 3x - 3 = 0$, If a first approximation of $x_1 = 1$ what would be a *third* approximation of x_3 ?

Exercise 2: If Newton's Method is used to approximate the real root of $x^5 + 6x^2 - 5 = 0$, If a first approximation of $x_1 = 1$ what would be a *fourth* approximation of x_4 ?