## 

Name: ID: Serial No.:

1. Newton's Method is used to find a root of the equation  $x^3 + 2x - 4 = 0$ . If the first approximation is  $x_1 = 1$ , then find the second approximation  $x_2$ 

2. If 
$$f'(x) = \frac{2x^4 - 3\sqrt{x}}{x}$$
 and  $f(1) = \frac{1}{2}$  then find  $f(x)$ 

