

3.3

1)  $f(x) = x^2 - 2$

a) using tablem calc 1.414

b) Finding roots on calc 1.414

c)  $x^2 - 2 = 0$

$$\sqrt{x^2} = \sqrt{2}$$

$$x = \pm\sqrt{2}$$

$$\boxed{x = \sqrt{2}}$$

2)  $x = \sqrt[3]{-5}$

$$x = -\sqrt[3]{5}$$

$f(x) = x + \sqrt[3]{5}$

root  $x = -1.71$

3) a)  $f(x) = x^3 + x - 7$

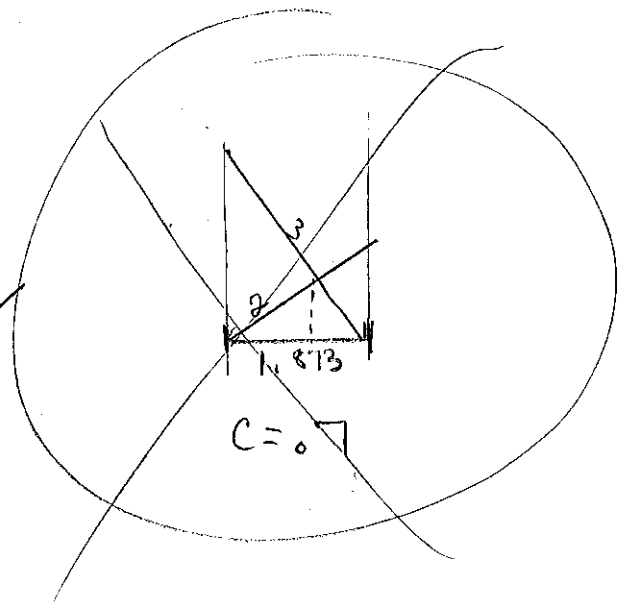
$$x = 1.739$$

4) a)  $x = 1.231, 1.873$

b)



$$c = 1$$



$$c = 0$$