

1)  $F(x) = 1 + \cos(x) - 3x$ . (Actually it is infinitely running, hence stopped after 100000 iteration)

Root of  $F(x)$  might be around 0.607102

2)  $F(x) = x^2 + 5x + 2$

---ROOT 1----

After 9 iterations root -0.438447 found.

---ROOT 2----

After 11 iterations root -4.561553 found.

3)  $F(x) = x \log(x) - 1.2$  (Actually it is infinitely running, hence stopped after 100000 iteration)

Root of  $F(x)$  might be around 2.740646