LX7 in Q[x] is maximal

We Show

(b) [x]/Lx? is a field.

By thosen proud in text we have

R/I is a ring iff I is an ideal

of R. Alou IE Q[x] is a unit in Q[x]/cx>.

Now we need to show  $U(D[x]_{(x7)})$  =  $Q[x]_{(x7)}$ 

let fe D[x]

The f has the form

f = \frac{7}{16 No. 9; x' + (x> a; & Q

= \(\frac{1}{2}\left(\gamma;\times)

= \frac{7}{6} \text{ G; } \text{ E } \tilde{Q} \tag{5}\_0

f = ( : ENV )