

March 23, 2021

## 18.702 Quiz 2

Take this quiz any time on Friday, March 26.

As before:

You are required to do the quiz alone. You may consult the text, but no other source.

Factor the polynomial  $x^5 + 5x + 5$  into irreducible factors

(i) in  $\mathbb{Z}[x]$  and

(ii) in  $\mathbb{F}_2[x]$ .