

Chapter 17A Quiz

1. Give a reducible polynomial in $\mathbb{Z}[x]$.
2. Give an irreducible polynomial in $\mathbb{R}[x]$.
3. Give an irreducible polynomial in $\mathbb{Q}[x]$.
4. For what degree polynomials over a field F do we have that $f(x) \in F[x]$ is reducible iff $f(x)$ has a zero in F ?