

MATH 5010 - SPRING 2023 (PROF. KINSER) - QUIZ 5

1. (3 points) Let F be a field (assume you know the definition of a field). State the definition of the *prime subfield* of F .
2. (2 points) Let F be a field and K an extension of F , i.e. K/F . Define the degree of K/F , denoted $[K : F]$.