SF2719/2725 History of Mathematics, Fall 2022

Quiz 4

Name:

Personal Number:

Lecturer: Tilman Bauer
Date: October 11, 2022
Time: 1:15-1:30 pm
Allowed aids: none

Answer each question briefly in the space provided.

1. Galois reduced the problem of solving a polynomial equation (of high degree) to a different problem in group theory. What is this reduction, in very broad strokes?

2. Very briefly, what were Lagrange's contributions to the problem of solving polynomial equations?

3. State a problem in probability theory that Pascal and Fermat studied.

4. Name two prominent mathematicians after Pascal and Fermat who advanced probability theory (along with rough dates and what concepts or methods they introduced.)