Name:

Problem 1: *Let* $\left(\dfrac{a}{p}\right)$ *denote the Legendre symbol.*
Explain in one sentence what it means to write

$$\left(\frac{3}{5}\right) = -1.$$

Solution: It means that 3 is not a quadratic residue modulo 5, or in other words that $x^2 \equiv 3 \pmod{5}$ does not have a solution.