

# Problem Set 9

November 11, 2024

**Problem 1.** Start from  $17^2 + 1^2 = 10 \times 29$  and use the algorithm (the Descent Procedure) in Lecture 26 to write 29 as a sum of two squares.

**Problem 2.** Either write 3185 as a sum of two squares or explain why it is not possible to do so.