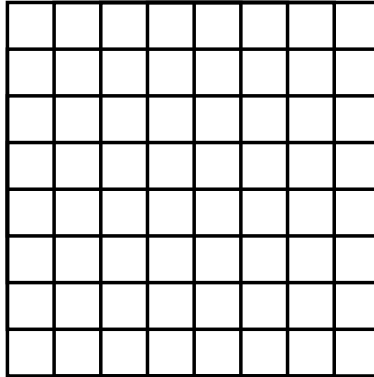# DISCUSSION FOR FIRST TUTORIAL

DATE: SEPTEMBER 16, 2009

Consider the 8×8 grid above. In answering the questions below, explain how you know you have the right number and are not making a mistake.

(1) How many squares are there in the diagram?
(2) How many rectangles are there in the diagram?
(3) How many rectangles are there that are wider than they are tall?
(4) Extend your answers to explain what happens on an $n \times n$ grid.