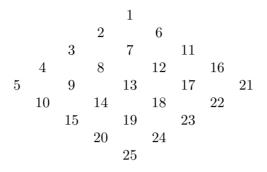
Solutions to Attendance Quiz # 2 for Dr. Z.'s MathHistory for Lecture 2

1. Without peeking, construct a 5×5 magic square.

Ans. to 1: We first set-up the scaffold



We now "reflect" on each row and column, puting the integers outside the 5×5 grid in their proper place, getting

3	20	7	20	11
16	8	25	12	4
9	21	13	5	17
22	14	1	18	10
15	2	19	6	23

2. In what century did Kurt Gödel live? What is he famous for?

Ans. to 2: The 20-century. He was the greatest logician of all times and revolutioned mathematics, by proving that any sufficiently rich system of axioms is 'incomplete', i.e. there are statements that are neither provable, nor disprovable, that he called *undecidable*.

Comment: Only **two** people (out of 31) got it!

3. In what century did Alan Turing live? What is he famous for?

Ans. to 3: The 20-th century. Broke the Engime code in WW2 that helped end the war, and founded the theory of computation, by inventing the so-called *Turing machine*.

Comment: Only 12 people (out of 31) got it.