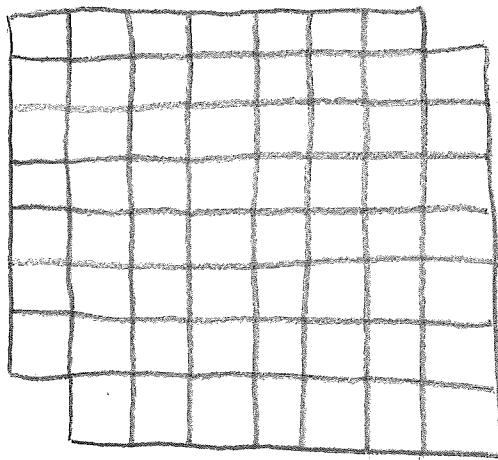


UW Math Circle

11/14/23

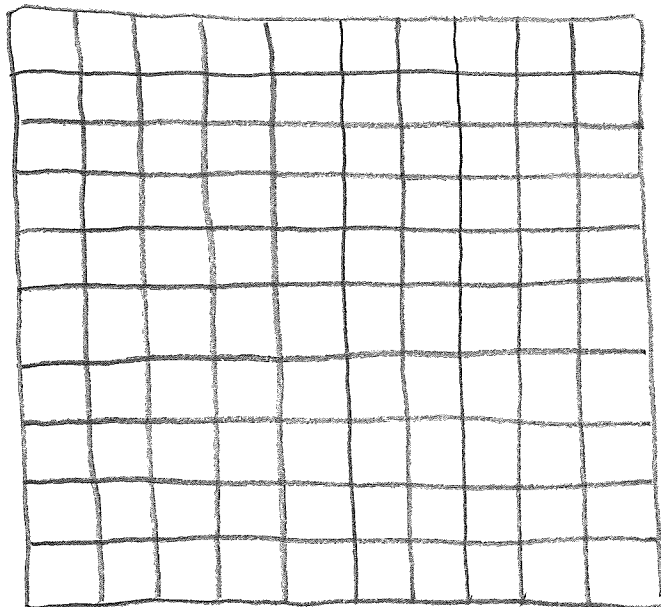
1. An 8×8 grid has two opposite corners removed. Is it possible to tile the remaining grid with 1×2 dominoes?



tiles



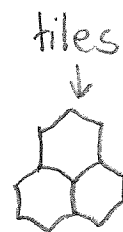
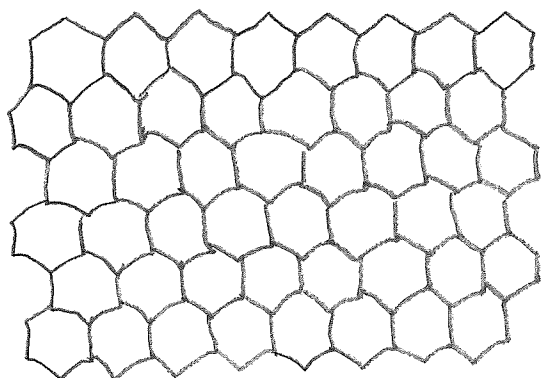
2. Is it possible to tile a 10×10 grid with 1×4 rectangular tiles?



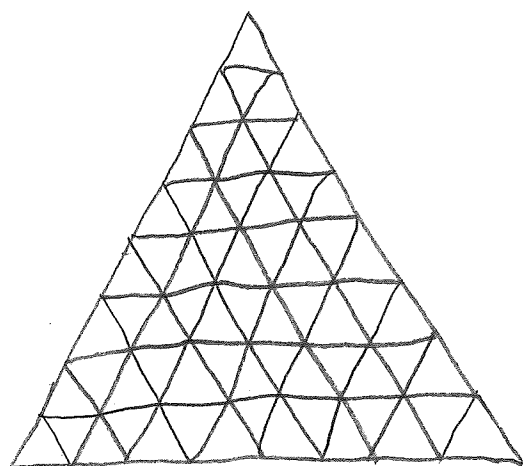
tiles



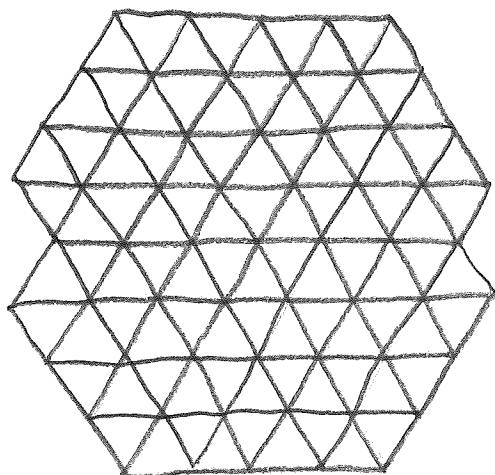
3. Is it possible to tile the hexagonal grid below with the tiles shown?



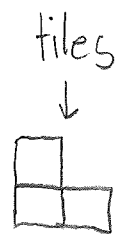
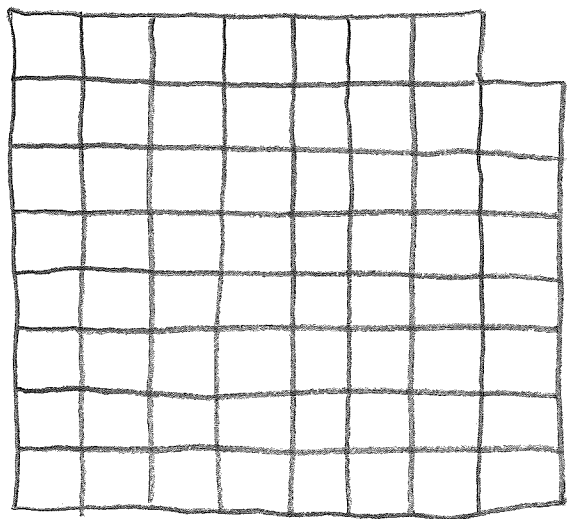
4. Is it possible to tile the triangular grid below with the tiles shown?



5. How about this triangular grid with the tiles shown?



6. An 8×8 grid has one corner removed. Is it possible to tile the remaining grid with the L-shaped tiles shown?



7. Is it possible to tile a 7×15 grid with the pentominoes shown?

