

PRESENTATION TOPICS - SET 8

Your Name:

This week's topics have to do with tilings. Choose 1 or 2.

1. You've seen in the last recitation what a proof by mathematical induction is. Use this kind of proof to show that for all positive integers n , a board with $2^n \times 2^n$ squares which misses a corner square can be covered by tiles made of 3 squares, not all of them collinear.
2. Is it possible to tile the plane using both equilateral triangles of edge 1 and squares of edge 1? If yes, find such a tiling. If no, describe why it cannot be done. Same question for squares of edge 1 and octagons of edge 1.

Please rate the presentation about symmetries that you've seen in class.

On a scale of 1 to 5 (5=highest) how much knowledge did you gain from the presentation?

1 2 3 4 5

On a scale of 1 to 5 (5=very easy) was the presentation easy to follow?

1 2 3 4 5

Please rate the presentation about tilings that you've seen in class.

On a scale of 1 to 5 (5=highest) how much knowledge did you gain from the presentation?

1 2 3 4 5

On a scale of 1 to 5 (5=very easy) was the presentation easy to follow?

1 2 3 4 5