

Polygons

Can you put six identical triangles together to see whether or not they will tile the plane? How can you be sure that there won't be any gaps?

Look at the following conjecture.

Conjecture: Any triangular shape will tile the plane.

Can you provide proof or evidence to show whether or not this is true?

Look at the following conjecture.

Conjecture: Any quadrilateral will tile the plane.

Can you provide proof or evidence to show whether or not this is true?

Can you sketch a 5-sided shape that will tile the plane?

