



# Successful geometry exercises

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How to see the world geometrically



# Geometry is crucial

Geometry allows :

- To solve the infinitely small
- To solve the infinitely large
- To see the world through straight lines and angles
- To find heights in your daily life
- To solve visual problems



# Learning geometry

What is learned at school :

- Is a language and a logic
- Allows you to solve geometry exercises
- Requires a context to remember
- Is it still true? The sum of the angles of a triangle is not always  $180^\circ$ .



# Knowing how to view a stage

When you see a geometry class

- Watch that you see in your head
- Write the course trying to anticipate
- Remarkable identities are to be written
- After the course
- Repeat in your head while watching the course



# Solving an exercise

With the remarkable stage's identities

- Watch the exercise in your head
- Zoom in on remarkable identities
- Zoom out to demonstrate
- Find other remarkable identities to demonstrate continuing to see in your head



# Solving an exercise

When the exercise is solved

- Create another exercise proving the same things in your daily life with other remarkable identities
- Watch the new remarkable identity learned to be able to use it



# Conclusion

Geometry allows :

- To go to human's limits
- To solve the everyday

Geometry requires :

- To know remarkable stages' identities
- To use exercises' remarkable identities

