

Triangle puzzles

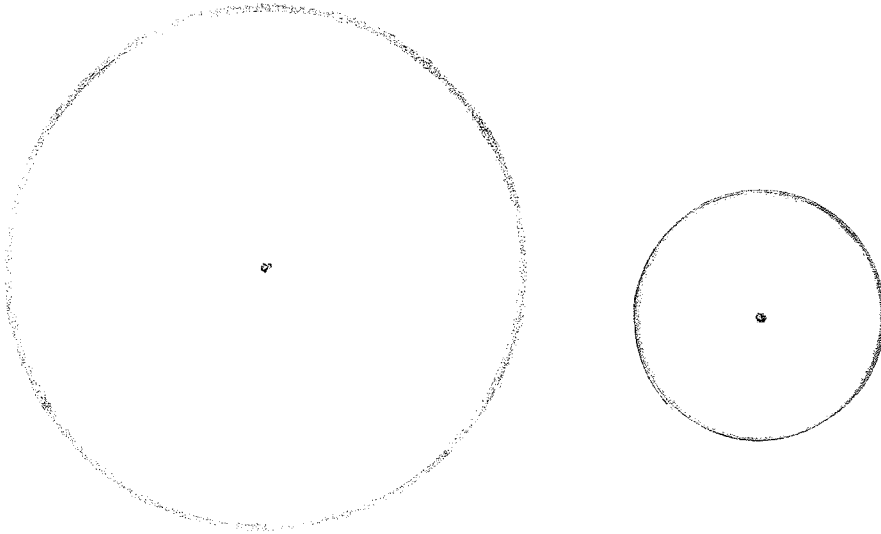
Can you figure out how to draw the triangle when you are given the following pieces of information?

- First figure out what information you have been given.
- Draw a sketch of a triangle and mark the pieces of information on that sketch.
- What parts of this sketch do you know for sure/can you already construct?
- Work your way to the final answer one step at a time, using all the tools and information at your disposal. Do not expect to get there in one step.

1. The length of side AB _____
The length of side BC _____
The length of the median to the side AB _____

2. The length of side AB _____
The length of the median to the side AB _____
The length of the altitude to the side AB _____

3. Circles: Draw a circle of radius _____
that is tangent to the two other circles given.



4. Back to triangles: The length of the altitude going through *A* _____
The length of the altitude going through *B* _____
The angle at the point *B*

