

# Technical Communication

## HW3

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### 1 MIND MAP

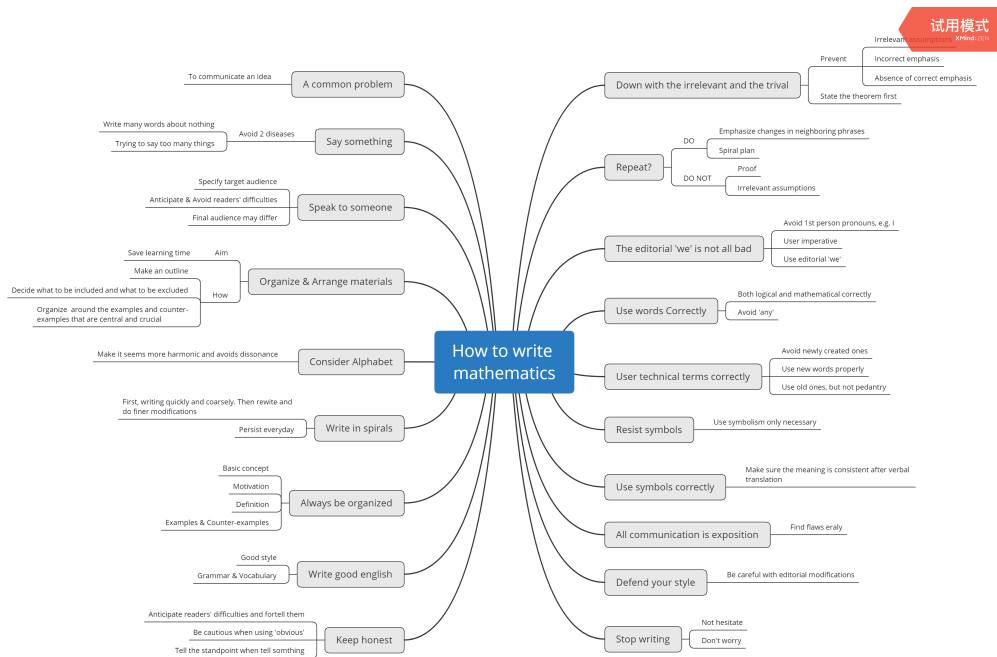


Figure 1.1: How to write mathematics

## 2 GROUP EXERCISE

All the comments and discussions have been submitted to our team leader. Please see Rui Gao's work.

## 3 WRITTING SKILLS

1. **"Just act naturally"**: 'naturally' is not suitable to be adverb for 'act'.  
**"Please give your unbiased opinion"**: No objective in this sentence.  
**"I need an exact estimate by Friday"**: The two words: 'exact' and 'estimate' contradict with each other.
2. Before the agent was ~~completely~~ able to ~~finish~~ explaining the ~~various~~ differences between ~~all of the many~~ outdoor event packages her company was offering, the customer changed his ~~future~~ plans.

## 4 L<sup>A</sup>T<sub>E</sub>X

See next page.



(a) Wozoco Housing



(b) Silodam Housing

Figure 4: Housing in Amsterdam

The extruded boxes which give the unique profile to the building result from the main constraint of density. These suspended elements projecting out of the main structure provide additional housing units and as a side effect create a sound proof barrier to the city noises. With the Silodam Housing complex (fig. 4b), also located in Amsterdam, the main issue was to bring back to life the pier of the IJ River. When the harbor fell into a decline, the buildings, warehouses, and shipyards were left unused. The intention was to integrate high density building in response to the housing shortage. They fused with the character of the harbour by reinterpreting the image of the silos and provided highly flexible spaces as a token of sustainability.



Figure 5: Trade Fair Center (Milan)

For many years, Massimilio Fuksas has dedicated his special attention to the study of urban problems and in particular to the suburbs. Without denying the heritage of modernism he was able to overcome the rigidity of its figures by mixing both a deconstructivist expression and a philosophical interpretation of nature. In the Milan's new Trade Fair (fig. 5), the transparent coverage modifies spaces and represents the continuity of vision. A series of buildings connect at ground level and at footbridge level suspended above treated landscaped areas with water, green surfaces and concrete. All space are covered by the lightweight structure undulating like a veil. This glass roofing reminds natural artefacts such as craters, waves, dunes, and hills. The shape is never repetitive, offering a varying perspective similar to natural landscapes. The evolution of his production shows how he radicalized his approach to confront the architectural object to its surrounding environment. More recently he won the competition to design the Chengdu Tianfu cultural and performance centre( fig. 6) in Chengdu. In this project Fuksas combines four elliptical