

eXeLearning's Activity

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January 31, 2014



1 Introduction.

In this activity we are going to work with the Pythagorean theorem. For this, we are going to state the theorem and propose some activities. Moreover, we will show a proof with Geogebra published by Henry Perigl.

As this activity also deals with the Pythagorean theorem, we are including in the html file the geogebra file created in the previous activity.

2 First step.

First of all, we propose a brief and concise introduction. We have added the useful ocular proof by Henry Perigal where the theorem is described so that is easy to understand to everyone. This was possible thanks to the applet run by the non-free software Java. Where Java stands for the virtual machine published by Oracle to run applets. Shame the speaker could not offer us a free software libre alternative to carry out this activity.

3 True-false questions.

We have also added some questions so that the students can find the mathematics more pleasant and enjoyable. Of course, not forgetting the Pythagorean theorem.

4 Activity.

Here we propose three problems where the Pythagorean theorem may be applied. Two of them are direct results from the theorem and the third one is a problem to evaluate the comprehending and solving skills of the students.

5 Conclusion

As mentioned before the java applet is a main part of the exelearnig activity.

Thanks to Exelearnig, and thanks to the many HTML editors available, I don't have to manually change the HTML code anymore. This is something that makes me feel bad in a way. After having learned to manually write HTML, having used it sometimes in the past and not anymore, I feel I am forgetting how to manually write in the HTML language.