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Computers in Secondary Education

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Computer Research Paper: Mathematical Worksheets for Free

It has always been frustrating as a teacher to never have enough worksheets for students who need more practice or always having to use the same ones. Having to teach four different subjects and share a single workbook with extra problems, can be difficult and time consuming. It always seems whoever has the workbook at any given time is also teaching a class when you need it and you don't want to interrupt. You can make up your own worksheets, but it is time consuming and you end up using the same ones over and over. My goal for this project was to find websites that offered worksheets for the courses taught in high school. I found an abundantly many sites for elementary math, but not a lot for high school math. Part of my criteria was, the sites could not just offer a work sheet alone, in an effort to get you to join and/or pay money, and they also needed to supply the answers. I added one more criteria, they also had to be free. Here are some of the better sites that I found:

<http://www.easyworksheet.com> **Easy Worksheet** – This is a great website offering many work sheets for Algebra I and II, Geometry, and Trigonometry as well as lower level courses. Answer sheets, and step – by – step answers are available. You do need to register and they say they verify your status as a teacher, but it is free. There are some limitations not being a paid customer such as: you don't have access to math courses higher than trigonometry, you cannot save your work, and you need to copy and paste into Word or some other program to print and you may need to format it a little if you want it to look nice. You will also need to turn on “Print background colors and images” to be able to print the sketches. Easy Worksheet is a great site though and has many types of problems for the students.

<http://www.kutasoftware.com/> **Kuta software** – This is another very good site offering a single worksheet in many areas within a course. The courses include Pre-Algebra, Algebra I, Algebra II, and Geometry. Answer sheets are included in the document and they are already formatted to print. This is a great site for a quick worksheet under a specific topic.

<http://www.picrust.com/> **PieCrust.com** – This is a great website for all levels of math from Algebra through Calculus III and Finite math. There are plenty of worksheets to choose from under every topic and all have the answers either within the document or as another file. Most are formatted well for printing as it appears the worksheets are offered by users of the site. The only problem I could find was that not all links work. It appears that the documents are held on the users server not on the Piecrust server. Still, it is a great resource with plenty of worksheets to choose from. The site also includes tests, study guides and videos.

<http://www.analyze-math.com/> **Analyze Math** – is a web site with higher level course that include Pre-Calculus, Calculus, Trigonometry, Statistics, and Geometry. This site not only offers worksheets with solutions, but it also offers tutorials and calculators. The format of the worksheets is acceptable, but many links only contain one or two problems.

WorksheetPlace.com **Work Sheet Place** – This web site offers mostly elementary math but does have some Pre-Algebra and Algebra I material. It can also be useful in the beginning of the year to refresh/ review basic concepts in math. The worksheets are easy to print and all the answers for the worksheets of a specific topic are combined.

In closing, I would like to add that some publishers offer software that you can create tests and worksheets with. These generators, as some are called, have question banks supplied that you can scroll through while looking at the problems and select the ones you like. The problems are directly aligned to your text book and allow you to save them and even just change the values of previously selected problems. Prentice Hall is one such publisher that does this for some of their texts and it does not cost anything if your school is on record as having purchased the texts.