

Name: _____

Homework: Teach Your Parents!

Below are problems from four different units we have covered this year. There is adequate space to show all your work for each problem, but the catch is: you are not allowed to write any work for these problems yourself! You must choose a parent to do the work for you. You must teach them how to do each problem, and they will show the work. Try to teach them as well as you can – so that they not only do the work but understand it as well!

Name of person being taught: _____

1) Below is an arithmetic sequence. What is the 81st term of this sequence?

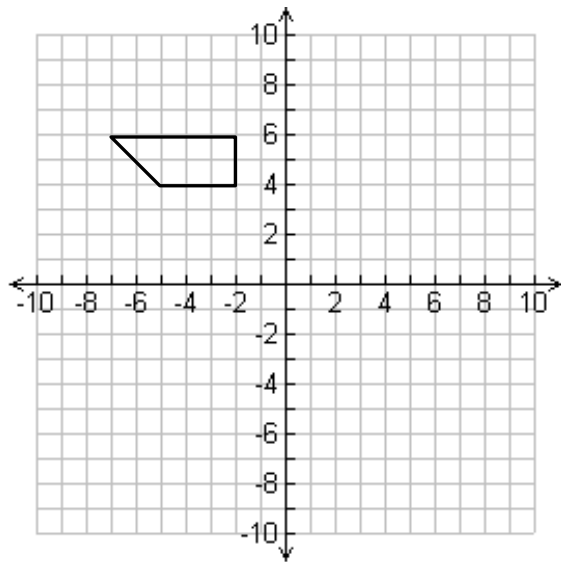
22, 26, 30, 34, ...

2) Originally, the population of Mathland was 150,000. The population grew by 6% per year. Write an equation that gives the population of Mathland after t years.

3) Solve the equation:

$$\frac{3(2x - 4) - 4x}{2} = 4x$$

4) Rotate the figure 270° counterclockwise around the origin.



ON THE BACK OF THIS PAGE:

Write about the experience of teaching your parent. Sample things you can write about: How well do you think you were able to teach them? Was it easier or harder than you expected? Were there certain things that were easier to teach than others? What interesting things happened during the teaching process?