

MATH HIGH SCHOOL

GETTING STARTED

EXERCISES

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LESSON 1: SIMILAR TRIANGLES

EXERCISES

- Write your wonderings about triangles on a coordinate plane.
- Write 3 things you know about triangles on a coordinate plane..

LESSON 2: PYTHAGOREAN THEOREM

EXERCISES

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Your task is to begin writing a short autobiography. In an autobiography, you write about your life. Today you will write about who you are as a person.

Remember to use complete sentences and to make sure your work is neat and easy to read. Here are some suggestions for what to include in your autobiography:

- Tell about yourself and your interests in general. Describe any hobbies, passions, and talents you have.
- What are your hopes and dreams for the future?
- What are you proud of?
- What things are you really good at doing?
- What challenges have you successfully faced?

Tomorrow you will write about yourself as a student.

LESSON 3: DISTANCE BETWEEN TOWNS

EXERCISES

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Your task is to finish writing your autobiography. You will write about who you are as a student.

Remember to use complete sentences and to make sure your work is neat and easy to read. Here are some more suggestions for what to include in your autobiography:

- Describe how important school is to you.
- Describe yourself as a student.
- What are your strengths as a learner?
- What aspects of school and learning are hard for you?

Tomorrow you will write about yourself as a math student.

LESSON 4: FIGURES ON COORDINATE PLANES

EXERCISES

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Your task is to write a mathography. A mathography is like an autobiography, except that it is focused on the mathematics in your life.

Remember to use complete sentences and to make sure your work is neat and easy to read. Here are some suggestions for what to include in your mathography:

- How do you feel about learning math?
- Do you think you are good at math? Why or why not?
- Tell about your most memorable mathematics moment.
- What parts of math are most fun for you?
- What parts of math are most frustrating for you?
- How do you use math outside of school?
- How do you think you will use math in your future?
- How important do you think math is to you now? How important will math be in your future?

LESSON 5: PARTICIPATING IN A GALLERY

EXERCISES

No exercises — work on gallery problems.