Pre-AP Geometry Summer Assignment

Below is a list of vocabulary terms that we will use this year. You have seen many of these before in past math classes. Geometry is built on these terms, so we will use them throughout the entire year. *We will have a quiz over these terms within the first week, so be ready day 1!*

Assignment: Your summer assignment is to create a visual (PowerPoint, homemade book, or poster) that includes each of the 25 terms along with its definition and a visual example. The example can be hand-drawn or created on a computer, but you must create it yourself – it cannot be a picture that you copy and paste from the internet. You will then choose **ten** of the vocabulary terms for which you will also show an example from the real world. You may use your phone to take a picture, or you may draw your example, but either way you must indicate how it shows the term. Be sure your pictures are clear and easy to understand.

Real-world examples: the top edge of my computer monitor would be considered a line segment. The corner of the screen is a right angle. A full PowerPoint slide example is on the next page. Note: be sure to read and understand the definitions thoroughly to ensure your real-world pictures are accurate examples. Each of the ten real-world examples must be different pictures. Be creative!
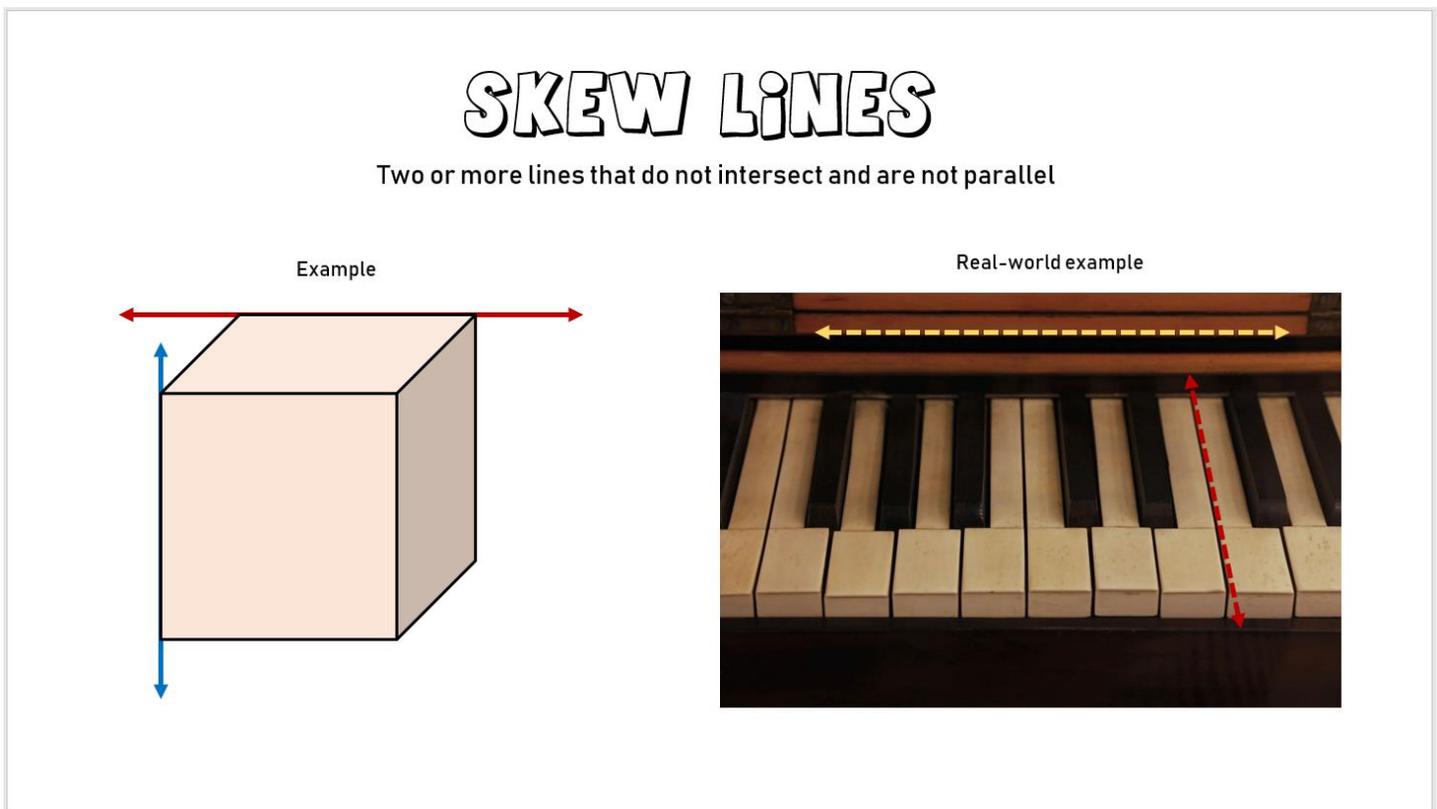
Hint: the best way to find the definitions is by simply searching "definition of ___(vocab term)___." Be sure to use good, reputable sources.

Vocabulary Terms

1. Point
2. Line
3. Plane
4. Line segment
5. Ray
6. Angle
7. Endpoints
8. Midpoint
9. Angle bisector

10. Opposite rays
11. Acute angle
12. Obtuse angle
13. Right Angle
14. Straight angle
15. Adjacent angles
16. Vertical angles
17. Complementary angles
18. Supplementary angles

19. Linear pair
20. Congruent
21. Collinear
22. Coplanar
23. Parallel lines
24. Perpendicular lines
25. Skew lines

Example PowerPoint Slide

This would be one of my ten terms which include a real-world example. You are welcome to use skew lines as one of your ten, but think of a new example – not a piano!

Turning in your assignment

- **Due date**: First day of school
- **If your assignment is digital**: Email it to me at kpatterson@shermanisd.net BEFORE you come to class.
- **If your assignment is a hard copy**: Drop it off in my room A123 before school or bring it to class.

Contact Info

If you do not have access to the internet over the summer to find the definitions, or if you have questions about the assignment, please reach out to me at kpatterson@shermanisd.net. I look forward to meeting you in the fall!