

# DIY: Geometry Review

***Can't come to the Geometry Review workshop but still need to review for the Geometry Placement test?***

*Try completing this do-it-yourself geometry review. First, watch the YouTube videos, then pick up a problem packet from the **Math Assistance Area** desk to try some problems on your own.*

## **Geometry Basics:**

- <https://www.youtube.com/watch?v=k5etrWdIY6o> Points, Lines, and Planes
- <https://www.youtube.com/watch?v=DGKwdHMIqCg> Angle Basics
- <https://www.youtube.com/watch?v=n3KZR1DSEo> Angles and Degrees
- <https://www.youtube.com/watch?v=mLeNaZcy-hE> Triangles
- <https://www.youtube.com/watch?v=yiREqzDsMP8> Quadrilaterals
- [https://www.youtube.com/watch?v=IaoZhhx\\_I9s](https://www.youtube.com/watch?v=IaoZhhx_I9s) Polygons
- <https://www.youtube.com/watch?v=AAy1bsazcgM> Perimeter
- <https://www.youtube.com/watch?v=xCdxURXMdFY> Area
- [https://www.youtube.com/watch?v=cC0fZ\\_lkFpQ](https://www.youtube.com/watch?v=cC0fZ_lkFpQ) Circles, pi
- <https://www.youtube.com/watch?v=O-cawByg2aA> Circles: circumference and area
- <https://www.youtube.com/watch?v=qJwecTgce6c> Volume

## **Geometry beyond the basics:**

- <https://www.youtube.com/watch?v=nRPq2eE8VWU> Parallel lines and Transversals
- <https://www.youtube.com/watch?v=5zHCyeSWsSE> Finding angles using parallel lines
- <https://www.youtube.com/watch?v=tGcwwcXtryw> Similar triangles
- <https://www.youtube.com/watch?v=AA6RfgP-AHU> Pythagorean Theorem (part 1)
- <https://www.youtube.com/watch?v=nMhJLn5ives> Pythagorean Theorem (part 2)
- <https://www.youtube.com/watch?v=yjfM9iJffLA> Special triangles: 30-60-90 triangle
- <https://www.youtube.com/watch?v=44vUiXgdi0o> Special triangles: 45-45-90 triangle
- <https://www.youtube.com/watch?v=SEXLRQol970> Area of other quadrilaterals
- <https://www.youtube.com/watch?v=Kk7lpQMouaM> Solids and nets
- <https://www.youtube.com/watch?v=eHPTyYbNmx4> Finding the equation of a line
- [https://www.youtube.com/watch?v=r3lN\\_BADmPQ](https://www.youtube.com/watch?v=r3lN_BADmPQ) Transformations

**Practice Problems:** You can pick up a “homework” packet that is given out at the geometry review workshops at the **Math Assistance reception desk** in the **Learning Commons in SRC2102**. There are 50 problems in the packet, along with detailed solutions.

## Additional Resources

If you want some online practice problems, you can click on the following link.

<https://www.kutasoftware.com/freeige.html>

Choose worksheets from any of the topics shown.

*Note: If you are preparing to take the geometry placement test at College of DuPage, the test does not cover topics in the "Trigonometry", "Construction" or "Statistics and Probability" blocks, nor does it cover much of the "Circles" block, but it does cover "Circumference and area".*

***Finding some questions you can't answer?***

***Ask in the Math Assistance Area.***

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