

# Geometry: Summer Learning Packet

We want to welcome you to geometry for the 2019-2020 school year. As you enjoy some time off this summer, we also want to ensure you are exercising the math portion of your brain! Below you will find a list of topics that you must review prior to the start of the new school year. The topics are divided by weeks to help you manage your time and workload. However, if you are in need to change the dates of any of the topics you have the flexibility to complete the work in your own timeframe.

Sincerely, The Geometry math team

## Directions:

Complete the following IXL sets by logging into your IXL account. Please be sure to login so that your teacher can see the completed work. You must get an 80% and complete at least 10 questions. If you do not get an 80% please, continue to work on problems until you reach the goal.

All topics are from Geometry on IXL.com

<b>Week #1:</b>	<b>Completed?</b>
<b>A.1</b> <a href="#">Ratios and proportions</a>	
<b>A.3</b> <a href="#">Properties of exponents</a>	
<b>Week #2</b>	
<b>A.4</b> Simplify radical expressions	
<b>A.6</b> Solve linear equations	
<b>Week #3</b>	
<b>A.8</b> <a href="#">Solve systems of linear equations</a>	
<b>A.9</b> Solve a quadratic equation by factoring	
<b>Week #4</b>	
<b>A.10</b> <a href="#">Solve a quadratic equation using the quadratic formula</a>	
<b>Week #5</b>	
<b>S.3</b> <a href="#">Area of parallelograms and triangles</a>	
<b>S.4</b> Area of trapezoids	
<b>Week #6</b>	
<b>Q.1</b> <a href="#">Pythagorean Theorem</a>	
<b>Q.2</b> Converse of the Pythagorean theorem	