

Student Name: \_\_\_\_\_

# Rising Geometry Summer Work

Each student will have the opportunity to participate in an ice cream party at the beginning of the 2019-2020 school year by completing the following IXL's by August 16.

In the **Algebra section** of IXL, Rising Geometry students must earn 90 smart points on 20/25 of the IXL strands. The coordinating strands in IXL and the strand names are listed below. Make sure you have your reporting date to start AFTER June 8th ~ and if you already have a smart score of 90, you need to do at least one more problem to maintain this smart score during this reporting period. This summer work is not counted for a percentage grade, but is highly encouraged so that you are ready for the next school year. If you want to participate in the ice cream party, you must meet the criteria listed above. If you do not qualify for the ice cream party, you will work on IXL while the party is happening :)

## **IXL Strand Name**

1. Compare and order rational numbers
2. Absolute value and opposites
3. Convert between decimals and fractions
4. Factor out a monomial
5. Add, subtract, multiply and divide integers
6. Add and subtract rational numbers
7. Multiply and divide rational numbers
8. Write an equivalent ratio
9. Solve proportions
10. Perimeter
11. Area
12. Solve two-step linear equations
13. Solve advanced linear equations
14. Solve equations with variables on both sides
15. Solve two-step linear inequalities
16. Find the slope from two points
17. Find a missing coordinate using slope

18. Slope-intercept form: write an equation
19. Write equations in standard form
20. Point-slope form: write an equation
21. Slopes of parallel and perpendicular lines



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- 22. Add and subtract polynomials
- 23. Multiply two binomials
- 24. Simplify radical expressions
- 25. Solve absolute value equations

### **IXL Completion Log**

Every teacher has access to IXL and student completion; however, print this to help your child work at a reasonable pace this summer. Please return it on Book Day.

<b><u>IXL Strand Name</u></b>	<b><u>Completion Date</u></b>
<b>Compare and order rational numbers</b>	
<b>Absolute value and opposites</b>	
<b>Convert between decimals and fractions</b>	
<b>Factor out a monomial</b>	
<b>Add, subtract, multiply and divide integers</b>	
<b>Add and subtract rational numbers</b>	
<b>Multiply and divide rational numbers</b>	
<b>Write an equivalent ratio</b>	
<b>Solve proportions</b>	
<b>Perimeter</b>	
<b>Area</b>	
<b>Solve two-step linear equations</b>	
<b>Solve advanced linear equations</b>	

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<b>Solve equations with variables on both sides</b>	
<b>Solve two- step linear inequalities</b>	
<b>Solve absolute value equations</b>	
<b>Find the slope from two points</b>	
<b>Find a missing coordinate using slope</b>	
<b>Slope-intercept form: write an equation</b>	
<b>Write equations in standard form</b>	
<b>Point-slope form: write an equation</b>	
<b>Slopes of parallel and perpendicular lines</b>	
<b>Add and subtract polynomials</b>	
<b>Multiply two binomials</b>	
<b>Simplify radical expressions</b>	

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### **Signing in for the first time on IXL**

In order for the reporting date to start after June 8th, follow these steps:

- Sign in to IXL using your username and password
- Click on the Analytics tab at the top
- Find Date Range and click on the drop down tab. Change the date range from last 30 days to Custom
- Enter the start date of June 8, 2019
- You are ready to begin!

Helpful Hints:

1. Make sure your child is signed in each time; otherwise, your work will not count!
2. If your child is having difficulty on a strand, read the explanation that follows. You may print out if needed.
3. Have fun!