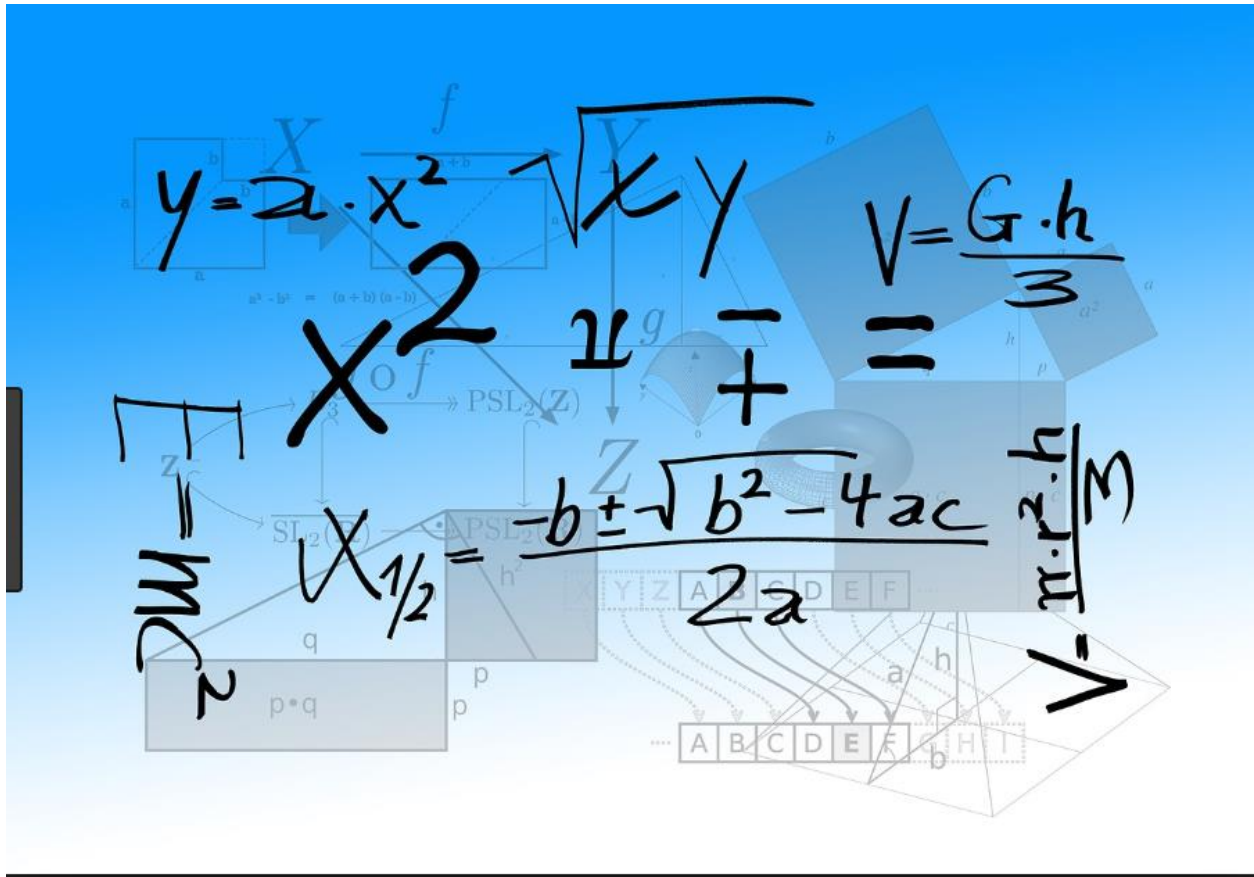




Lawrence High School's Algebra I Honors **Required** 2019 Summer Assignment





Directions: This is a REQUIRED Algebra 1 Honors Summer Assignment that will help you to be best prepared for your scheduled math class in September.

- You must complete ALL problems.
- Show all your neat and organized work for every problem.
- Be sure your name is on each additional work page.
- You must turn this into your teacher the first full week of school in September for a grade.

Google Classroom Group Code:

- Go to www.classroom.google.com
- Click on *I'm a Student*
- Enter access code to access the class.
- **CODE: z7twmk8**

This Google group has been established to provide you, the students, with support as a group. If you are struggling with concepts/material, there is a blog option to post questions to one another. In addition, you have the educational resources listed below for assistance. The Google Classroom might be checked by the instructor throughout the summer. Remember the math course from the current school year is the prerequisite course for the course you have enrolled in for the fall. Your personal notebook and handouts from this year's class are resources that are at your disposal. This assignment is due the first full week of school, and will become part of your first marking period grade.

Resources: You have your notes and handouts from 8th Math and your Go Math text. For additional examples and support you can reference any of the sites listed below and search the skill/concept.

- KhanAcademy.com
- You Tube.com or Teacher Tube.com
- MathIsPower4u.com
- IXL.com



Evaluate each expression.

1) $(13 - 1) \div (2 + 1)$

2) $(7 + 15 - 4) \div 3$

3) $6 + 4^2 + (5)(5)$

4) $1 - (5 - (6 - 1)) + 2$

Evaluate each using the values given.

5) $(5 - z)(y + x)$; use $x = 5$, $y = 5$, and $z = 3$

6) $((q)(p + p^2)) \div 4$; use $p = 4$, and $q = 2$



Algebra 1

Name _____ II

Summer Assignment 2018

Date _____ Period _____

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4) $1 - (5 - (6 - 1)) + 2$

Evaluate each using the values given.

5) $(5 - z)(y + x)$; use $x = 5$, $y = 5$, and $z = 3$

6) $((q)(p + p^2)) \div 4$; use $p = 4$, and $q = 2$

Simplify each expression.

7) $1 - 4a - 9 + 7a$

8) $-5x + 10x$

9) $-10(10m + 2)$

10) $8(x + 3)$

11) $2n - 7(-2n + 9)$

12) $10(v - 9) + 7v$



Solve each proportion.

13) $\frac{10}{4} = \frac{7}{8n}$

14) $\frac{n}{9} = \frac{3}{8}$

15) $\frac{n}{2} = \frac{7}{4}$

16) $\frac{v}{7} = \frac{6}{8}$

Solve each equation.

17) $p - 19 = -22$

18) $-7 + x = -22$

19) $-8r = 16$

20) $\frac{p}{12} = 14$

21) $\frac{-10 + x}{15} = -1$

22) $-5(b - 8) = 85$

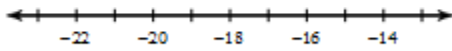
23) $6p - 3 = 51$

24) $\frac{a}{2} - 9 = -16$

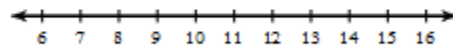


Solve each inequality and graph its solution.

25) $m - 10 \leq -25$

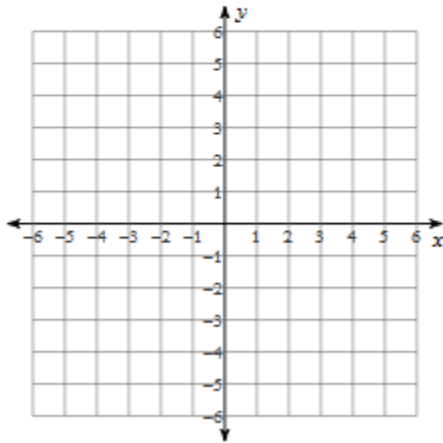


26) $-2n > -16$

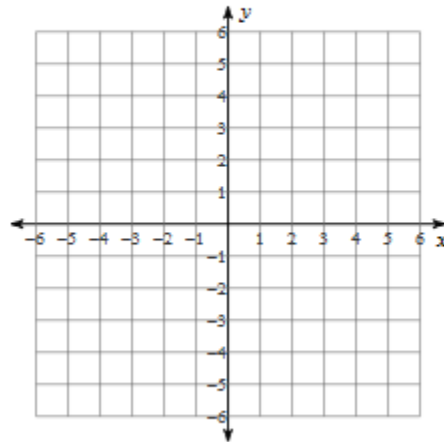


Sketch the graph of each line.

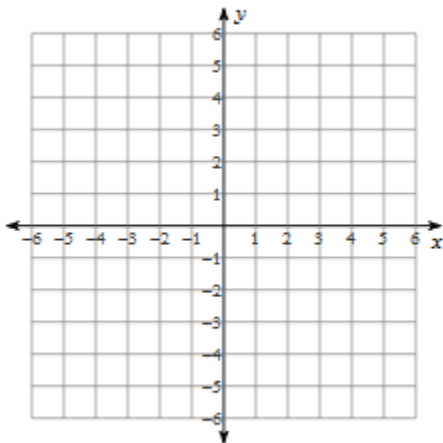
27) $y = -\frac{1}{4}x - 1$



28) $y = -2$



29) $y = -2x$



30) $y = 5x - 3$

