


Welcome to Algebra 1 Honors!
Mrs. Phillips
Room 512

Student Information Sheet

1. Please fill out the information sheet with as much information as possible.
2. The more I know about you, the more I can help you learn.




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Algebra 1 Syllabus

Course Description:
 This course is designed to offer elementary Algebra content to students preparing for academic college experiences. Topics include simplifying expressions, solving equations and modeling linear, exponential, and quadratic functions.

Supply List

1. 3-ring binder
2. loose-leaf notebook paper
3. pencils with erasers
4. graphing calculator or 4 AAA batteries for class calculator




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Your grade will be determined using the following scale:

Test 50%
Quizzes 30%
Homework/Classwork 20%

Late work policy
 Work must be turned in the day it is due. The only exception to this is for an absence from class. The requirements for make-up work will follow Berkeley County Policy.



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Classroom Rules

1. Be On Time.
2. Be Prepared.
3. Be Polite.
4. Be Productive.


Consequences

1. Warning
2. Detention assigned
3. Parent Phone Call
4. Referral to an administrator

Tardy Policy

1st - verbal warning
 2nd - detention and notify parent
 3rd & 4th - ISS for class period
 5th & 6th - ISS for the entire day
 7th and beyond - OSS

- Severe infractions will be an automatic discipline referral
- Cell phones that are out during class will be confiscated and turned into discipline.



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Extra Help

1. Math Department tutoring is available before and after school.
2. I am available before and after school most days. Check with me when you would like to stay after school for extra help or to complete make-up work.

Units of Instruction:

Unit 1 - Expressions and Equations
 Unit 2 - Linear Functions and Equations
 Unit 3 - Linear Inequalities
 Unit 4 - Systems of Equations
 Unit 5 - Exponents and Exponential Functions
 Unit 6 - Quadratic Equations and Functions


End of Course Exam - Counts 20% of Semester Average



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Teacher Contact Information

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Addition of Real Numbers

Adding Numbers with the Same Sign
Add the numbers and keep the sign.

Ex: $3 + 5 = 8$ $-3 + (-5) = -8$

Adding Numbers with Different Signs
Subtract the numbers and keep the sign of the number with the largest absolute value.

Ex: $3 + (-5) = -2$ $-3 + 5 = 2$


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Subtraction of Real Numbers

Subtracting Real Numbers

1. Keep first #
2. Change subtraction to addition
3. Change the sign of second #
4. Use addition rules

Ex: $-3 - (+5) = 2$ $-3 + 5 = -8$



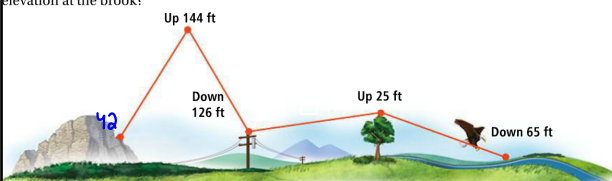
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Find the sum or difference

A. $-16 + (-8)$ -24	B. $8 + (+2)$ 10	C. $7 + 14$ -7	D. $-6 + (-2)$ -8
E. $-11 + 9$ -2	F. $9 + (-18)$ -9	G. $23 + 43$ -20	H. $-5 + (+9)$ 4

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Bird Watching An eagle starts flying at an elevation of 42 ft. Elevation is the distance above sea level. The diagram below shows the elevation changes during the eagle's flight. Write an expression representing the eagle's flight. What is the elevation at the brook?



$42 + 144 - 126 + 25 - 65$
 $186 - 126 + 25 - 65$
 $60 + 25 - 65$
 $85 - 65 = 20 \text{ ft}$

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What happens when we add or subtract decimals?

- Line up the decimals.

A. $3.2 + 5.1$ $\begin{array}{r} 5.1 \\ + 3.2 \\ \hline 8.3 \end{array}$	B. $3.2 + 5.1$ $\begin{array}{r} 3.2 \\ + 5.1 \\ \hline 8.3 \end{array}$
C. $3.21 + (-5.4)$ $\begin{array}{r} 3.21 \\ - 5.40 \\ \hline -2.19 \end{array}$	D. $-3.21 + 5.4$ $\begin{array}{r} -3.21 \\ + 5.40 \\ \hline 2.19 \end{array}$

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Stock Market A stock's starting price per share is \$51.47 at the beginning of the week. During the week, the price changes by gaining \$1.22, then losing \$3.47, then losing \$2.11, then losing \$.98, and finally gaining \$2.41. What is the ending stock price?

51.47
 $+ 1.22$
 52.69
 $- 3.47$
 49.22
 $- 2.11$
 47.11
 $- .98$
 46.13

46.13
 $+ 2.41$
 48.54

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Fractions

Adding/Subtracting fractions

1. find common denominator
2. make equivalent fractions
3. add numerators
4. reduce if possible

Exs

$\frac{1}{5} + \frac{4}{5} = \frac{3}{5}$ $\frac{5}{15} + \frac{12}{15}$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $\frac{17}{15}$ </div>	$\frac{3}{4} - \frac{1}{2} = \frac{2}{4}$ $\frac{3}{4} + \frac{-2}{4}$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $\frac{1}{4}$ </div>	$\frac{3}{3} \cdot \frac{-5}{6} + \frac{5}{9} \cdot \frac{2}{2}$ $\frac{-15}{18} + \frac{10}{18}$ <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> $\frac{-5}{18}$ </div>
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Classwork: worksheet #1 - 32

★ **Turn in.**

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