

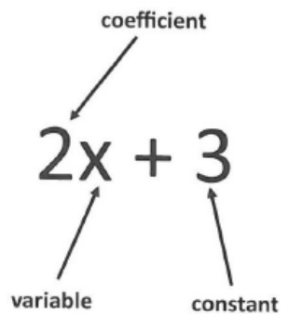
Algebra 1 Honors

- Make sure that you grabbed your materials off the back table.
- If you have your composition book and dividers please take them out.
- Write down your homework for the night.
- There will be a quiz Wednesday 8/21
- If you have filled out your discipline log and online student info sheet turn in your discipline log to your period's tray (due Friday)
- On a sheet of paper (you will get an official bellwork paper next week), answer the following question.

What is an integer?

FA

Fundamentals of Algebra



FA	FA
Fundamentals of Algebra	Fundamentals of Algebra
FA	FA

FA1

I can use integer rules to calculate mathematical operations.

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FA2

I can classify numbers by their subsets and organize them on a number line.

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FA3

I can identify properties of numbers and use them to write equivalent expressions

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FA4

I can evaluate expressions and identify the parts of an expression, equation, or inequality.

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FA5

I can rewrite expressions, equations, and inequalities by combining like terms.

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FA6

I can rewrite expressions, equations, and inequalities by applying the distributive property.

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FA7

I can translate between algebraic and written expressions, equations, and inequalities.

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FA8

I can explain the outcomes of operations for rational and irrational numbers.

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Initial Score *Updated Score*

<p><i>Adding Signed Numbers</i></p> <p>Same sign: add the absolute value of the numbers. Keep the sign.</p> <p>Different signs: subtract the absolute value of the numbers. Use the sign of the number with the greater absolute value.</p>	$-3 + (-1) = -4$ $-4 + (-5) = -9$ $6 + (-10) = -4$ $-16 + (+5) = -11$ $-4 + (-2) + (+6) =$ $-6 + 6 = 0$
<p><i>Subtracting Signed Numbers</i></p> <p>To subtract signed numbers, add the opposite.</p> <ul style="list-style-type: none"> - Keep the first number - Change the subtraction sign to addition - Change the sign of the second number - Follow rules for adding signed numbers 	$-5 - (-4) = -1$ $-1 - (-35) = 34$ $10 - (-8) = 18$ $-20 - (+19) = -39$

$-3 \times (-1) = 3$ $-4 \times (2) = -8$ $7 \cdot (-3) = -21$ $-2 \cdot (+4) = -8$ $-4(-2) + 3(-2) =$ $8 + -6 = 2$	<p style="text-align: center;"><i>Multiplying Signed Numbers</i></p> $(+)\cdot(+)=+$ $(-)\cdot(-)=+$ $(+)\cdot(-)=-$ $(-)\cdot(+)= -$
$-30 \div (-6) = 5$ $44 \div 4 = 11$ $6 \div (-12) = -\frac{1}{2}$ $-12 \div (+6) = -2$	<p style="text-align: center;"><i>Dividing Signed Numbers</i></p> $(+)\div(+)=+$ $(-)\div(-)=+$ $(+)\div(-)=-$ $(-)\div(+)= -$

Write these examples on the right side of your composition book.

Absolute Value
Examples

25. $|-13| + |15| = \underline{\hspace{2cm}}$

26. $|23 + 15| = \underline{\hspace{2cm}}$

27. $|21 - 8| = \underline{\hspace{2cm}}$

28. $|24| - |-17| = \underline{\hspace{2cm}}$

29. $|-3| + |-5| = \underline{\hspace{2cm}}$

30. $|-11| - |-6| = \underline{\hspace{2cm}}$

31. $|-7 - 16| = \underline{\hspace{2cm}}$

32. $|4| - |-4| = \underline{\hspace{2cm}}$

33. $|-14 - (-1)| = \underline{\hspace{2cm}}$

34. $|5 - (-8)| = \underline{\hspace{2cm}}$

