# Important Information!

For assignments, quiz and test dates, and other resources, visit my website regularly.

The address is:

losquadro.weebly.com

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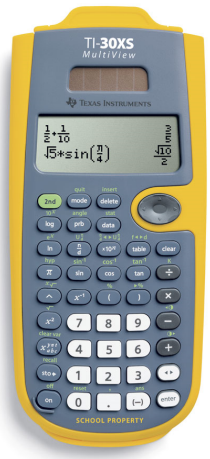
# Important Information!

Calculators are to remain in the classroom at all times. Please only use the calculator that is assigned to you.

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# Integer Operations

## Adding Integers with the SAME SIGN

Example 1:

$5 + 7 = 12$

Example 2:

$-5 + (-7) = -12$

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# Integer Operations

## Adding Integers with DIFFERENT SIGNS

Example 3:

$-5 + 7 = 2$

Example 4:

$5 + (-7) = -2$

Summary:

- **Addition of Integers**

Same Sign – Add & Keep the Sign

Different Signs – Subtract & Keep sign of larger absolute value

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# Integer Operations

Rule: To subtract an integer,

ADD the Opposite.

Keep the 1st Change to Add Change the Sign

Example 5:

$12 - (-7) =$

$12 + 7$

$19$

Example 6:

$-9 - 4 =$

$-9 + -4$

$-13$

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# Integer Operations

Example 7:

$-15 - (-3) =$

$-15 + 3$

$-12$

Example 8:

$7 - 10 =$

$7 + -10$

$-3$

Summary: • **Subtraction of Integers**

Add the opposite

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# Integer Operations

## Multiplying & Dividing Integers with the SAME SIGNS

| Multiplying | Dividing |
|---|---|
| Example 9: $6(8) = 48$ | Example 11: $24 \div 3 = 8$ |
| Example 10: $-11(-9) = 99$ | Example 12: $\frac{-20}{-4} = 5$ |

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# Integer Operations

## Multiplying & Dividing Integers with DIFFERENT SIGNS

| Multiplying | Dividing |
|---|---|
| Example 13 : $-4(9) = -36$ | Example 15: $-49 \div 7 = -7$ |
| Example 14: $8(-7) = -56$ | Example 16: $\frac{64}{-4} = -16$ |

Summary:

- **Multiplication & Division of Integers**

  Same signs – Positive solution

  Different signs – Negative solution

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# Expressions & Variables

- **Numerical Expression**

  Consists of numbers & operations

- **Variable**

  A letter used to represent one or more numbers

- **Variable expression**

  Consists of numbers, variables, & operations

- **Evaluate**

  Substitute in a number for each variable & solve the resulting numerical expression

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# Practice - No Calculator

1) $7 - 12$ $7 + -12 = -5$

2) $6(-3) = -18$

3) $-8 + 12 = 4$

4) $-27 \div -3$

5) $-6 - 8$

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