

Please come in grab your ISN and have a seat. Then you need to make sure that your table of contents is up to date as the one below.

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## WWK

absolute value: the distance from  $\emptyset$  on a # line. It is never negative.

Denoted  $||$  so  $|-5|=5$ .

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(+) Sum (-) Difference (x) Product (÷) Quotient

**RULES FOR ADDING INTEGERS**

**\*same sign\***

- 1) Add their absolute value
- 2) The answer will have the same sign as the #'s

**\*DIFFERENT SIGNS\***

- 1) Subtract the smaller absolute value from the larger absolute value
- 2) The answer will have the sign of the larger integer

**RULES FOR X AND ÷  
INTEGES**

$$(+)(+) = (+)$$

$$(-)(-) = (+)$$

$$(+)(-) = (-)$$

$$(-)(+) = (-)$$

$$\frac{(+)}{(+)} = (+)$$

$$\frac{(-)}{(-)} = (+)$$

$$\frac{(+)}{(-)} = (-)$$

$$\frac{(-)}{(+)} = (-)$$

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P Parenthesis	Please Excuse My Dear Aunt Sally
E Exponents	
M → D Left → Right Multiply → Divide	
A → S Left → Right Addition → Subtraction	

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Parenthesis (grouping symbols) $\{ \} [ ]     ( )$	$50 \div 2 - (8-3) + 3^2$ Parenthesis
Exponents The small # in top right corner	$50 \div 2 - (5) + 3^2$ exponents
Multiplication & Division (whichever one comes first when working the problem from left to right)	$50 \div 2 - (5) + 9$ Division $25 - (5) + 9$ multiply
Addition & Subtraction (whichever one comes first when working the problem from left to right)	$25 - 5 + 9$ Subtraction $20 + 9$ Addition $29$

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page 22 Order of Operation Examples

Ex 1 Find the absolute value.

- a)  $|-3|$       b)  $|5|$       c)  $|0|$

Ex2 Subtract

- a)  $17 - (-11)$       b)  $-18 - (-5)$       c)  $-18 - 5$

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### Ex 3 Evaluate

a)  $4^2$    b)  $(-4)^2$    c)  $6^3$    d)  $(-2)^4$

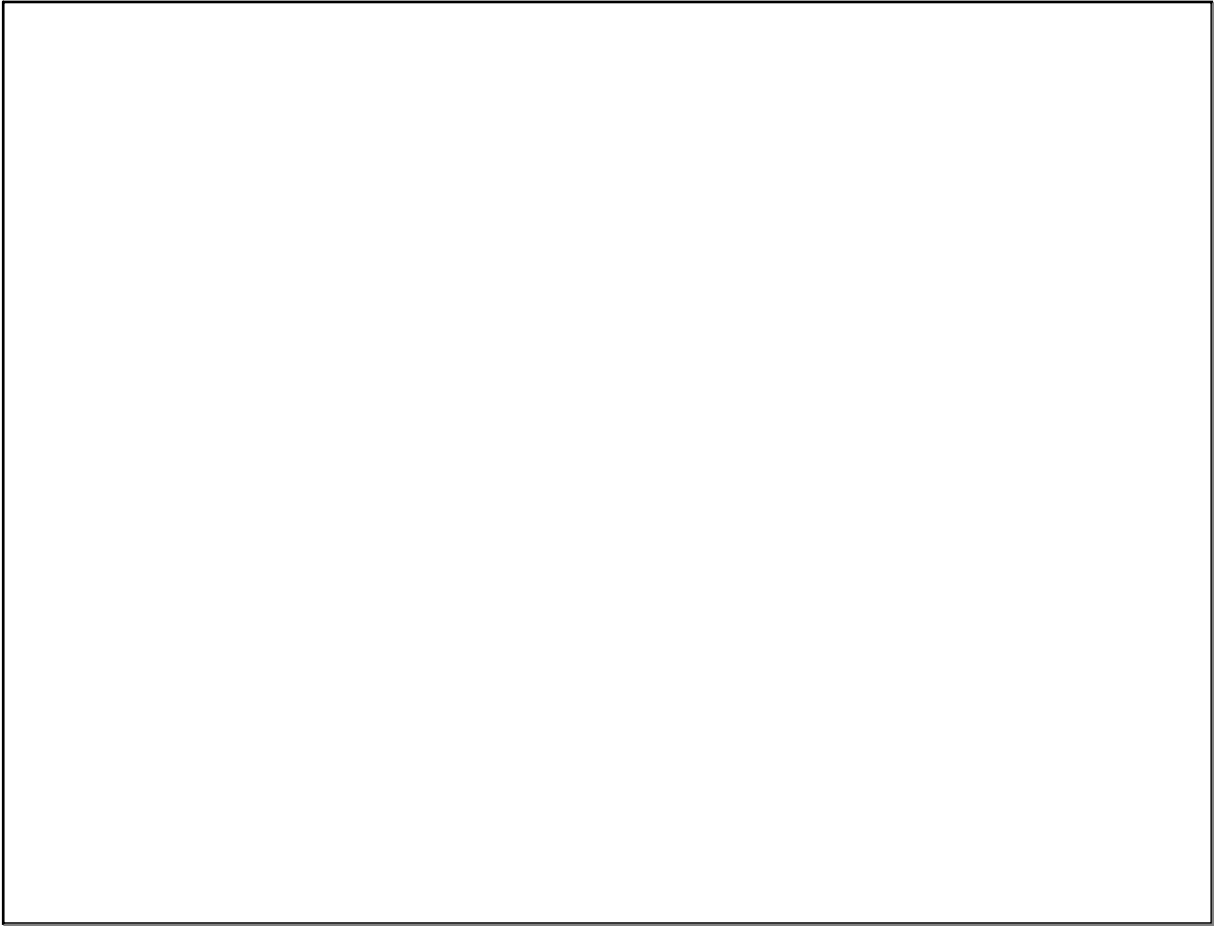
### Ex4 Simplify

a)  $6^2 - 24 \div 2^2 * 3 + 1$    b)  $(-6)^2 - (5-7)^2(-3)$

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Txtbk page 211 #'s 14 - 42 even

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