

Name: _____

Date: _____

Tuesday Homework Evaluating Expressions

#1-4 Part a-d

To **evaluate** an expression means to find a single value for it. Use the order of operations to evaluate expressions the same way you simplified numerical expressions on page 152.

If you are given an expression consisting of a numerator and a denominator that each have an operation, evaluate the numerator and the denominator separately. Then divide.

EXAMPLE 1

Evaluate: $16 + 8 \div 2$ $16 + 4 = 20$

EXAMPLE 2

Evaluate: $(10 - 8) \cdot 2$ $2 \cdot 2 = 4$
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EXAMPLE 3

Evaluate: $\frac{1}{4}(20 - 4)$ $\frac{1}{4}(16) = 4$

EXAMPLE 4

Evaluate: $\frac{8 - 2}{2 + 1}$ $\frac{6}{3} = 2$

PRACTICE

Evaluate each expression.

<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>
1. $7 + 10 \div 5 =$ $7 + 2 = 9$	$3(2 + 8) =$	$8 \cdot 2 - 3 =$	$(5 - 1)(4) =$
2. $2(11 - 3) =$	$4 \cdot 5 + 6 =$	$18 - (6 \div 3) =$	$2 \cdot (15 - 3) =$
3. $8 + 18 \div 3 =$	$(21 + 4) \div 5 =$	$(10 - 2) \cdot 7 =$	$7 + 9 \div 3 =$
4. $\frac{1}{3}(6 + 3) =$	$\frac{3}{4}(12) - \frac{1}{2}(2) =$	$\frac{1}{5}(10) + \frac{1}{4}(12) =$	$\frac{1}{2}(8 - 3) =$