Algebra Unit 0-Back to Basics Review Day 3 Notes

## Order of Operations

Name
Date $\qquad$ Hour $\qquad$
$D_{\text {arenthesis/Grouping Symbols }}$
$\mathrm{E}_{\text {xponents or Radicals }}$
$\rightarrow$ From Left to Right
$\rightarrow$ From Left to Right

Examples: Be sure to show each step. DO NOT USE A CALCULATOR!

1. $10-4 \div 2$
2. $5+24 \div 6 \cdot 3$

## REMEMBER $\uparrow$ \& $\&$ Ó HAVE THE SAME ORDER SO WE HAVE TO GO FROM LEFT TO RIGHT! <br> 3. $8+(5+6)-10$ <br> 4. $6^{2}-30 \div 3$ <br> 5. 2[13-(1+6)]

6. Lindsay and Diego are arguing over the following problem. Lindsay says the solution is correct. Diego says that the solution is wrong. Which student has the correct answer?
$12 \div 3+4-24 \div 3 \cdot 8$
$4+4-24 \div 24$
8-1

Algebra Unit 0-Back to Basics Review Day 3 Worksheet Order of Operations

Name
Date $\qquad$ Hour

Evaluate each expression. Show all work. DO NOT USE A CALCULATOR!

## Practice 1-2

Simplify each expression.

1. $4+6(8)$
2. $\frac{4(8-2)}{3+9}$
3. $4 \times 3^{2}+2$
4. $40 \div 5(2)$
5. $2.7+3.6 \times 4.5$
6. $3[4(8-2)+5]$
7. $4+3\left(15-2^{3}\right)$
8. $17-[(3+2) \times 2]$
9. $6 \times(3+2) \div 15$

Evaluate each expression.
10. $\frac{a+2 b}{5}$ for $a=1$ and $b=2$
11. $\frac{5 m+n}{5}$ for $m=6$ and $n=15$
12. $x+3 y^{2}$ for $x=3.4$ and $y=3$
13. $7 a-4(b+2)$ for $a=5$ and $b=2$

Simplify each expression.
14. $\frac{100-15}{9+8}$
15. $\frac{2(3+4)}{7}$
16. $\frac{3(4+12)}{2(7-3)}$
17. $14+3 \times 4$
18. $8+3(4+3)$
19. $3+4[13-2(6-3)]$
20. $8(5+30 \div 5)$
21. $(3.4)(2.7)+5$
22. $50 \div 2+15 \times 4$
23. $7(9-5)$
24. $2\left(3^{2}\right)-3(2)$
25. $4+8 \div 2+6 \times 3$
$\qquad$
Unit 0- Back to Basics Review
Date $\qquad$ Hour $\qquad$
Day 3 Order of Operations Quick Check
Evaluate each expression. Show all work. DO NOT USE A CALCULATOR!

1. $3 \cdot 6+4 \cdot 2$
2. $36 \div 6+3$
3. $12 \div 3 \cdot 2$
4. $(5-4)+3 \cdot 7$

Algebra
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Unit 0- Back to Basics Review
Date $\qquad$ Hour $\qquad$ Day 3 Order of Operations Quick Check

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Algebra
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2. $36 \div 6+3$
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