

HW 1-1B

Int 1

Order of Operations

Unit 1

Instructions: Find the value of each expression. NO CALCULATORS ALLOWED!

Order of Operations:

1. Parenthesis
2. Exponents
3. Multiply or Divide (Left to Right)
4. Add or Subtract (Left to Right)

5. $5[8(2+5)-(4+7\cdot3)]$

155

1. $6+3(18-12)+13$

37

6. $2[(7+3)^2-4(7-3)]$

2. $3(14-8+6)^2$

7. $12+6\cdot2-3+18\div3$

3. $\frac{2^4+3^2}{4(1+4)^2}$

$\frac{1}{4}$

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4. $\frac{4\cdot7+4\cdot8}{5(3)}$

8. $18\div2+5\cdot3-24$

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9. $(12+3) \cdot 6 - 25 + 2$

10. $(21 \div 3 - 2 \cdot 2) + 15 - 6$

67

Problems 11-16 are EXTRA CREDIT!

11. $5(2^3) + 3(10^2 \div 10) \div 5 - 5$

14. $2^5 \div (3+1)^2$

12. $86 - 5(10 - 6) \cdot 4$

15. $2^2 \left[(3^3 - 4^2)^2 - 63 \div 3 \right]$

13. $40 \div (1 \cdot 5) - 3$

16. $100 - 8(62 - 52 \div 2) \div 3$