Name _____

Practice
3-8

Evaluating Expressions

1. $6^2 - (3.1 \times 5 + 2.3)$

2. $[(8 - 3.7) \times 6] + 1.5$

3. $9^2 - [(4.2 \times 3.4) - 9.28]$

4. $3.2^2 - [(12.6 - 2^2) \times 0.6]$

5. $[(0.3 \times 8) + (1.5 \times 3)] + 6^2$

6. $40 \div [9.6 - (8 \times 0.2)]$

7. $3^3 + 4.2 \times 8 \div 0.2$

8. $8.8 + [(0.4 \times 7) + (3.1 \times 2)]$

9. $7^2 - [(6^2 - 22.4) + (8 \div 0.5)] + 3.8$

10. $9 + [(4.2 - 3.3) + (6.4 \div 0.8)] \times 3$

11. $41 - 3^2 + (8 \times 2.3) - 15 + (2.1 \times 4)$

12. $13 + 26 - [(2.8 \times 5) \div 7]$

13. $16 + 23 - [(5 + 2) \times 1.9] - 13 + 6.8$

14. Jessica bought a new computer for $800. She put $120 down and got a student discount of $50. Her mother gave her $\frac{1}{2}$ of the balance for her birthday. Which of these expressions could be used to find the amount Jessica still owes on the computer?

A $800 - 120 + 50 \div 2$

B $[800 - (120 - 50) \div 2]$

C $800 - (120 - 50) \div 2$

D $[800 - (120 + 50)] \div 2$

15. Number Sense A printing error in a math book removed the brackets and parentheses from the original expression of $(7 \times 3.4) - [(2.8 \times 5) - (4.3 \times 2)] + 4^2$. Give the order of operations a student solving this problem would have used to evaluate the expression with the printing error, and find the value of the incorrect expression and the correct expression.

16. Writing to Explain How would you add parentheses and brackets to make this sentence true: $45 \div 2 \times 4.7 - 4.4 \times 6 = 54$