Name _____ Date _____

1.3 Practice B

Evaluate the expression.

1. $64 \div 4 \times 10$

2. $55 \div \left(4^2 - 5\right)$

3. $3 \bullet 7 + 4 \bullet 6^2$

4. $(22 - 4) \div (2 \times 3)$

5. $8^2 - 20 \div 2 \times 5$

6. $13 + \left(38 - 6^2\right) \bullet 3$

7. Evaluate each expression. Are the two expressions equal? Explain your answer.

a. $(100 \div 5) \times 4$

b. $100 \div 5 \times 4$

Evaluate the expression.

8. $(5 - 3)^4 - 2(7) + 8^2$

9. $27 - 3\left(5\dfrac{1}{2} - \dfrac{7}{2}\right)$

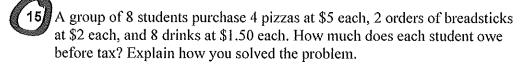**10.** $9(6.2 + 5.8) + 28 \div 4$

11. $4^2(4.9 - 2.9) - 24 \div 3$

12. There are 34 people in a restaurant. Four groups of 3 people leave, and then 5 groups of 2 people arrive. Evaluate the expression $34 - 4 \bullet 3 + 5 \bullet 2$ to determine how many people are in the restaurant.

Evaluate the expression.

13. $\dfrac{11^2 - 5 + 4(7)}{(4)(3)}$

14. $\dfrac{54 \div 6 + 31}{4^2 + 4}$

15. A group of 8 students purchase 4 pizzas at \$5 each, 2 orders of breadsticks at \$2 each, and 8 drinks at \$1.50 each. How much does each student owe before tax? Explain how you solved the problem.

16. Five sandwich rings are each cut into 4 pieces. You then cut each of the pieces into 3 servings. How many servings do you have?

17. Copy each statement. Insert $+, -, \times$, or $\div$ symbols to make each statement true.

a. $17 \underline{\ ?\ } 2 \underline{\ ?\ } 3 \underline{\ ?\ } 8 = 3$

b. $33 \underline{\ ?\ } 3 \underline{\ ?\ } 2 \underline{\ ?\ } 5 = 1$