

Name _____

Date _____

Period 1 2 3 4 5 6

Topic 1 // Holt 1.2 + 1.4 // Practice A

2008-09

1. What is the reciprocal of 8?

2. What is the reciprocal of $-\frac{3}{2}$?

3. What is the quotient of -9 and 3?

4. What is the difference of 10 and -3?

5. What is the reciprocal of the quotient of -8 and 24?

6. What is the product of the opposite of 5, and the reciprocal of 5?

Simplify the following expressions:

7. $-3 + (5 - 8)^2 - 1$

8. $5 - 8 \div 2 + 7 \cdot 3$

9. $(2 - 4)(2 + 3)^2$

10. $4 - 3(2 - 5)^2$

11. $-3^2 - (2 - 5) + 4(1 + 2^2)^2$

12. Evaluate $2a^2 + 3b^3$
when $a = 3$ and $b = 1$

13. Evaluate $-4x^3 - 2x^2 + 5x - 1$ when $x = -2$

14. Evaluate $3y^3 - y^2$ when $y = -1$