

Practice

Student Edition
Pages 7-12**Expressions and Formulas**

Find the value of each expression.

1. $18 \div 2 \cdot 3$

2. $9 + 6 \div 2 + 1$

3. $(3 - 8)^2 \cdot 4 - 3$

4. $5 + 3 \cdot (2 - 12 \div 2)$

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

6. $12 - [20 - 2(6^2 \div 3 \cdot 2^2)]$

Evaluate each expression if $a = \frac{3}{4}$, $b = -8$, $c = -2$, $d = 3$, and $e = \frac{1}{3}$.

7. $ab^2 - d$

8. $(c + d)b$

9. $\frac{ae}{c} + d^2$

10. $\frac{d(b - c)}{ac}$

11. $(a - ce)c^2$

12. $a^2c^3 - be^2$

13. $-b[a + (c - d)^2]$

14. $\frac{a^3c^4}{d^3} - \frac{c}{e^2}$