Lesson 1-2

Evaluate each expression.

1. $3 + 8 \div 2 - 5$ **2**
2. $4 + 7 \cdot 2 + 8$ **26**
3. $5(9 + 3) - 3 \cdot 4$ **48**
4. $9 - 3^2$ **0**
5. $(8 - 1) \cdot 3$ **21**
6. $4(5 - 3)^2$ **16**
7. $3(12 + 3) - 5 \cdot 9$ **0**
8. $5^3 + 6^3 - 5^2$ **316**
9. $16 \div 2 \cdot 5 \cdot 3 \div 6$ **20**
10. $7(5^3 + 3^2)$ **938**
11. $\dfrac{9 \cdot 4 + 2 \cdot 6}{6 \cdot 4}$ **2**
12. $25 - \frac{1}{3}(18 + 9)$ **16**

Evaluate each expression if $a = 2$, $b = 5$, $x = 4$, and $n = 10$.

13. $8a + b$ **21**
14. $48 + ab$ **58**
15. $a(6 - 3n)$ **−48**
16. $bx + an$ **40**
17. $x^2 - 4n$ **−24**
18. $3b + 16a - 9n$ **−43**
19. $n^2 + 3(a + 4)$ **118**
20. $(2x)^2 + an - 5b$ **59**
21. $[a + 8(b - 2)]^2 \div 4$ **169**