NAME _____ DATE _____ PERIOD _____

1-2 Skills Practice

Variables, Expressions, and Properties

Evaluate each expression.

1. $10 \div 2 + 8$

2. $4(9) - 36 \div 3$

3. $24 - 12 \div 4$

4. $25 + 2 \cdot 8 \div 4$

5. $49 - (3^2 + 8 \cdot 3)$

6. $2(20 - 5) + \frac{34 - 14}{4}$

7. $(27 + 24)(27 - 24)$

8. $2^3 \div 4 + 3 \times 6$

9. $(4 + 4) \cdot 4 + 4 \div 4$

10. $3[(8 - 2) - 5] + 7$

11. $\frac{28 - 7}{4^2 - 13}$

12. $(15 - 9)^2 \div (5 + 4)$

Evaluate each expression if $n = 4$, $p = 3$, and $t = 6$.

13. $3n + p$

14. $t - 2p$

15. $3p - n + 4$

16. $(np)^2$

17. np^2

18. $5(2t - n)$

19. $p(n + t)$

20. $6t^2 - t$

21. $\frac{npt}{3}$

22. $4(pt - 3) \div n$

23. $\frac{p^2 + 4}{3t - 5}$

24. $\frac{pn^2}{t + 10}$

25. $n^2 - 3n + 8$

26. $2t^2 - t + 9$

Name the property shown by each statement.

27. $(4 + 5)3 = 4(3) + 5(3)$

28. $1 \cdot x^2 = x^2$

29. $2(bc) = (2b)c$

30. $(6 + 2) + 5 = 6 + (2 + 5)$

31. $2(bc) = 2(cb)$

32. $(4 + 5) + 0 = 4 + 5$

33. $13 + (5 + 10) = (5 + 10) + 13$

34. $3(7 - 2) = 3(7) - 3(2)$