31. $\left[\dfrac{7 - (-3)}{5 - 3}\right]\left[\dfrac{4 + (-8)}{3 - 5}\right]$

32. $\left[\dfrac{12 + (-2)}{3 + (-8)}\right]\left[\dfrac{6 + (-15)}{8 - 5}\right]$

33. $\left(3 - 2\left[\dfrac{5 - (-4)}{2 + 1} - \dfrac{6}{3}\right]\right)$

34. $\left(7 + 3\left[\dfrac{6 + (-18)}{4 + 2}\right] - 5\right) + 3$

■ *See Examples 4 and 5.*

35. $\dfrac{4 \cdot 2^3}{16} + 3 \cdot 4^2$

36. $\dfrac{4 \cdot 3^2}{6} + (3 \cdot 4)^2$

37. $\dfrac{3^2 - 5}{6 - 2^2} - \dfrac{6^2}{3^2}$

38. $\dfrac{3^2 \cdot 2^2}{4 - 1} + \dfrac{(-3)(2)^3}{6}$

39. $\dfrac{(-5)^2 - 3^2}{4 - 6} + \dfrac{(-3)^2}{2 + 1}$

40. $\dfrac{7^2 - 6^2}{10 + 3} - \dfrac{8^2 \cdot (-2)}{(-4)^2}$

41. $\dfrac{8^2 + 6\left(\dfrac{5^2 + 3}{4 - 2^3}\right) - 3}{-2^3 + 4\left(\dfrac{3 - 3^3}{1 - 4}\right) + 6}$

42. $\dfrac{12 + 3\left(\dfrac{12 - 20}{3^2 - 1}\right)^2 - 1}{-8 + 6\left(\dfrac{12 - 30}{2^4 - 5^2}\right)^2 + 1}$

43. $\dfrac{3(3 + 2)^2 - 3^2 \cdot 3 + 2}{3 \cdot 2^3 + 2(2 - 1) - 1}$

44. $\dfrac{6^2 - 2\left(\dfrac{4 + 6}{5}\right)^3 + 8}{3^2 - 3 \cdot 2 + 2^2}$

■ *Evaluate each expression for the given values of the variables. See Example 6.*

45. $\dfrac{5(F - 32)}{9}$; $F = 212$

46. $\dfrac{R + r}{r}$; $R = 12$ and $r = 2$

47. $\dfrac{E - e}{R}$; $E = 18$, $e = 2$, and $R = 4$

48. $\dfrac{a - 4s}{1 - r}$; $r = 2$, $s = 12$, and $a = 4$

49. $P + Prt$; $P = 1000$, $r = 0.04$, and $t = 2$

50. $R(1 + at)$; $R = 2.5$, $a = 0.05$, and $t = 20$

51. $\dfrac{1}{2}gt^2$; $g = 32$ and $t = 2$

52. $\dfrac{1}{2}gt^2 - 12t$; $g = 32$ and $t = 3$

53. $\dfrac{1}{2}gt^2 - 12t$; $g = 32$ and $t = \dfrac{3}{4}$

54. $\dfrac{Mv^2}{g}$; $M = 64$, $v = 2$, and $g = 32$

55. $\dfrac{32(V - v)^2}{g}$; $V = 12.78$, $v = 4.26$, and $g = 32$