

**51–60** ■ Simplify the compound fractional expression.

$$51. \frac{\frac{x}{y} - \frac{y}{x}}{\frac{1}{x^2} - \frac{1}{y^2}}$$

$$52. x - \frac{y}{\frac{x}{y} + \frac{y}{x}}$$

$$53. \frac{1 + \frac{1}{c-1}}{1 - \frac{1}{c-1}}$$

$$54. 1 + \frac{1}{1 + \frac{1}{1+x}}$$

$$55. \frac{\frac{5}{x-1} - \frac{2}{x+1}}{\frac{x}{x-1} + \frac{1}{x+1}}$$

$$56. \frac{\frac{a-b}{a} - \frac{a+b}{b}}{\frac{a-b}{b} + \frac{a+b}{a}}$$

$$57. \frac{x^{-2} - y^{-2}}{x^{-1} + y^{-1}}$$

$$58. \frac{x^{-1} + y^{-1}}{(x+y)^{-1}}$$