

## 7.3

$$1) \frac{\frac{(6)3}{(6)8}}{\frac{18}{48}} = \frac{?}{48}$$

$$3) \frac{\frac{(y)a}{(y)x}}{\frac{ay}{xy}} = \frac{?}{xy}$$

$$5) \frac{\frac{(3a^2c^3)}{(3a^2c^3)} \frac{2}{3a^3b^2c}}{\frac{6a^2c^3}{9a^3b^2c^4}} = \frac{?}{9a^3b^2c^4}$$

$$7) \frac{\frac{(x-4)}{(x-4)} \frac{2}{x+4}}{\frac{(x+4)(x-4)}{2x-8}} = \frac{?}{(x+4)(x-4)}$$

$$9) \frac{\frac{(x+3)}{(x+3)} \frac{(x-4)}{(x+2)}}{\frac{x^2+5x+6}{(x+2)(x+3)}} = \frac{?}{(x+2)(x+3)}$$

$$\frac{x^2-4x+3x-12}{(x+2)(x+3)} = \frac{x^2-x-12}{(x+2)(x+3)}$$

$$11) 2a^3, 6a^4b^2, 4a^3b^5$$

$$12a^4b^5$$

$$13) x^3 - 3x, \quad x - 3, x$$

$$x(x^2 - 3)$$

$$x(x - 3)$$

$$15) x + 2, \quad x - 4$$

$$(x + 2)(x - 4)$$

$$17) x^2 - 25, \quad x + 5$$

$$(x + 5)(x - 5)$$

$$(x + 5)(x - 5)$$

$$19) x^2 + 3x + 2, \quad x^2 + 5x + 6$$

$$(x + 1)(x + 2) \quad (x + 2)(x + 3)$$

$$(x + 1)(x + 2)(x + 3)$$

$$21) \frac{(2a^3)}{(2a^3)} \frac{3a}{5b^2}, \quad \frac{2}{10a^3b} \frac{(b)}{(b)}$$

$$LCD = 10a^3b^2$$

$$\frac{6a^4}{10a^3b^2}, \quad \frac{2b}{10a^3b^2}$$

$$23) \frac{(x+2)}{(x+2)} \frac{x+2}{x-3}, \quad \frac{(x-3)}{(x+2)} \frac{(x-3)}{(x-3)}$$

$$LCD = (x - 3)(x + 2)$$

$$\frac{x^2+4x+4}{(x-3)(x+2)}, \quad \frac{x^2-6x+9}{(x-3)(x+2)}$$

$$25) \frac{(x-4)}{(x-4)} \frac{x}{x^2-16}, \quad \frac{3x}{x^2-8x+16} \frac{(x+4)}{(x+4)}$$

$$(x - 4)(x + 4) \quad (x - 4)(x - 4)$$

$$LCD = (x - 4)^2(x + 4)$$

$$27) \frac{4x}{x^2-x-6}, \quad \frac{x+2}{x-3} \frac{(x+2)}{(x+2)}$$

$$(x - 3)(x + 2)$$

$$LCD: (x - 3)(x + 2)$$

$$\frac{4x}{(x-3)(x+2)}, \quad \frac{x^2+4x+4}{(x-3)(x+2)}$$