

$$(4) \frac{2x}{5x-3} \div \frac{3}{25x^2-9} \cdot \frac{x}{5x+3}$$

$$(8) \frac{2x}{x^2-64y^2} - \frac{1}{x-8y}$$

$$(5) \frac{5x+3y}{x^2-y^2} - \frac{2x}{x^2-y^2}$$

三、计算 (每题7分, 共14分)

$$(1) \left(\frac{2a}{b}\right)^2 \cdot \frac{1}{a-b} - \frac{a}{b} \div \frac{b}{4}$$

$$(6) \frac{1}{2p+3q} + \frac{1}{2p-3q}$$

$$(2) \frac{x+1}{x} \cdot \left(-\frac{2x}{x+1}\right)^2 - \left(\frac{1}{x-1} - \frac{1}{x+1}\right)$$

$$(7) \frac{3y}{2x+2y} + \frac{2xy}{x^2+xy}$$