

Must show all steps and all work to earn full credit.

Add or subtract as indicated. Write the answer in lowest terms.

$$1) \frac{3}{r} + \frac{7}{r-9}$$

$$2) \frac{5}{x-4} - \frac{7}{4-x}$$

Add or subtract. Write the answer in lowest terms.

$$3) \frac{4x+6}{x} + \frac{-3x-3}{6x}$$

$$4) \frac{4}{y^2-3y+2} + \frac{7}{y^2-1}$$

Add or subtract as indicated. Write the answer in lowest terms.

$$5) \frac{12x}{x^2-36} - \frac{x}{x-6}$$