

$$\begin{aligned}
 a) \quad \frac{\frac{a}{3} + \frac{b}{2}}{\frac{a}{3} - \frac{b}{3}} &= \frac{\frac{2a}{6} + \frac{3b}{6}}{\frac{a-b}{3}} = \frac{\frac{2a+3b}{6}}{\frac{a-b}{3}} = \\
 &= \frac{2a+3b}{\cancel{6}^2} \cdot \frac{\cancel{3}^1}{a-b} = \frac{2a+3b}{2a-2b} \quad \text{Fel i facit}
 \end{aligned}$$

Vill man ha facits svar startar man med

$$\frac{\frac{a}{3} + \frac{b}{2}}{\frac{a}{3} - \frac{b}{2}}$$

$$b) \quad \frac{4 - \frac{2}{a}}{16 - \frac{4}{a^2}} = \frac{\frac{4a}{a} - \frac{2}{a}}{\frac{16a^2}{a^2} - \frac{4}{a^2}} = \frac{\frac{4a-2}{a}}{\frac{16a^2-4}{a^2}} =$$

$$= \frac{4a-2}{a} \cdot \frac{a^2}{16a^2-4} = \frac{(4a-2) \cdot a}{16a^2-4} =$$

sluta inte här!

$$= \frac{(4a-2) \cdot a}{(4a+2) \cdot (4a-2)} = \frac{a}{4a+2} = \frac{a}{2(2a+1)}$$

här kan man

sluta med

gott samvete

gott samvete