

S. 87/5

$$\begin{aligned} \text{a) } & 2x \cdot (4y - 5) - 6x \cdot (1,5y - 2x) = \\ & = 2x \cdot (4y - 5) - (6x \cdot (1,5y - 2x)) = \\ & = 2x \cdot 4y - 2x \cdot 5 - (6x \cdot 1,5y - 6x \cdot 2x) = \\ & = 8xy - 10x - (9xy - 12x^2) = \\ & = 8xy - 10x - 9xy + 12x^2 = 8xy - 9xy - 10x + 12x^2 \end{aligned}$$

$$\begin{aligned} \text{b) } & 3u + 4 \cdot (1 - v + \frac{1}{3}u) = \\ & = 3u + 4 \cdot (1 - v + \frac{1}{3}u) = \\ & = 3u + 4 \cdot 1 - 4 \cdot v + 4 \cdot \frac{1}{3}u = \\ & = 3u + 4 - 4v + \frac{4}{3}u = \\ & = 3u + 1\frac{1}{3}u + 4 - 4v = 4\frac{1}{3}u + 4 - 4v \end{aligned}$$

$$\begin{aligned} \text{c) } & (\frac{1}{2}cx)^2 + 5cx - cx^2 \cdot \frac{3}{8}c - 2 \cdot (c + 0,125cx) = \\ & = (\frac{1}{2}cx) \cdot (\frac{1}{2}cx) + 5cx - \frac{3}{8}ccx^2 - (2 \cdot (c + 0,125cx)) = \\ & = \frac{1}{4}c^2x^2 + 5cx - \frac{3}{8}c^2x^2 - (2c + 2 \cdot 0,125cx) = \\ & = \frac{1}{4}c^2x^2 + 5cx - \frac{3}{8}c^2x^2 - (2c + 0,25cx) = \\ & = \frac{1}{4}c^2x^2 + 5cx - \frac{3}{8}c^2x^2 - 2c - 0,25cx = \\ & = \frac{1}{4}c^2x^2 - \frac{3}{8}c^2x^2 + 5cx - 0,25cx - 2c = \\ & = \frac{2}{8}c^2x^2 - \frac{3}{8}c^2x^2 + 4,75cx - 2c = \\ & = -\frac{1}{8}c^2x^2 + 4,75cx - 2c \end{aligned}$$