

s. 72

Polynomien yhteen- ja vähennyslasku



esim. $x + x = 2x$

$$3x^2 + 2x^2 = 5x^2$$

$$3x^2 + 2x$$

eri muotoiset,
ei voi yhdistää

361

a) $4h + 2h = 6h$

b) $3k^2 + 5k^2 = 8k^2$

c) $8u^5 - 2u^5 = 6u^5$

d) $-6w^3 - 7w^3 = -13w^3$

362

a) $-6q^3 + 4q^3 = -2q^3$

b) $2b^4 - 7b^4 = -5b^4$

c) $-8s^2 - 3s^2 = -11s^2$

d) $5v^6 + 3v^6 - 7v^6$

$$= 8v^6 - 7v^6$$
$$= v^6$$

365

$$\begin{aligned} \text{a) } & (3x + 6) + (5x + 4) \\ & = 3x + 6 + 5x + 4 \\ & = \underline{8x + 10} \end{aligned}$$

$$\begin{aligned} \text{b) } & (-4x + 6) + (3x - 8) \\ & = -4x + 6 + 3x - 8 \\ & = -x - 2 \end{aligned}$$

$$\begin{aligned} \text{c) } & (10a - 9) + (-2a - 7) \\ & = 10a - 9 - 2a - 7 \\ & = 8a - 16 \end{aligned}$$

$$\begin{aligned} \text{d) } & (-a - 11) + (6a + 18) \\ & = -a - 11 + 6a + 18 \\ & = 5a + 7 \end{aligned}$$

367

$$\begin{aligned} \text{a) } & (2x + 7) - (+4x + 4) \\ & = \underline{2x + 7} - \underline{4x + 4} \\ & = \underline{-2x + 3} \end{aligned}$$

$$\begin{aligned} \text{b) } & (9x + 6) - (-4x - 8) \\ & = 9x + 6 + 4x + 8 \end{aligned}$$

$$= 13x + 14$$

$$c) (-5a + 7) - (a + 2)$$

$$= -5a + 7 - a - 2$$

$$= -6a + 5$$

$$d) (-7a - 3) - (4a + 6)$$

$$= -7a - 3 - 4a - 6$$

$$= -11a - 9$$

377

379

s. 74