

S.82

453

Summa
↓
a) $(-2s^2 + 5s - 3) + (4s^2 - 8s + 6)$

$$= -2s^2 + 5s - 3 + 4s^2 - 8s + 6$$

$$= 2s^2 - 3s + 3$$

erotus
↓
b) $(-2s^2 + 5s - 3) - (4s^2 - 8s + 6)$

$$= -2s^2 + 5s - 3 - 4s^2 + 8s - 6$$

$$= -6s^2 + 13s - 9$$

Summa
erotus
c) $(2s^2 - 3s + 3) - (-6s^2 + 13s - 9)$

$$= 2s^2 - 3s + 3 + 6s^2 - 13s + 9$$

$$= 8s^2 - 16s + 12$$

d) $(-6s^2 + 13s - 9) - (2s^2 - 3s + 3)$

$$= -6s^2 + 13s - 9 - 2s^2 + 3s - 3$$

$$= -8s^2 + 16s - 12$$

S. 82

(454)

$$a) 7m^2 - 8m - (4m + 3m^2)$$

$$= 7m^2 - 8m - 4m - 3m^2$$

$$= 4m^2 - 12m$$

$$b) (3g^5 - 6g^2 - 7) - (8g^3 - 7g^2 - 7)$$

$$= 3g^5 - 6g^2 - 7 - 8g^3 + 7g^2 + 7$$

$$= 3g^5 - 8g^3 + g^2$$

$$c) 2q - (-4q + 5 + (-3q - 6 - (-3q + 1)))$$

$$= 2q - (-4q + 5 + (-3q - 6 + 3q - 1))$$

$$= 2q - (-4q + 5 - 7)$$

$$= 2q + 4q + 2 = 6q + 2$$

$$d) (4r^3 - 6r^2 + 5) - (-7r^3 - 8r^2 + r)$$

$$= 4r^3 - 6r^2 + 5 + 7r^3 + 8r^2 - r$$

$$= 11r^3 + 2r^2 - r + 5$$

456

a) $3x^2 \cdot 5x^6 = 15x^8$

b) $3x^9 \cdot (-4x^4) = -12x^{13}$

c) $-5a^4 \cdot 2a^6 = -10a^{10}$

d) $10y^7 \cdot (-3y^9) = -30y^{16}$

457

a) $-4(x+6) = -4x - 24$

b) $3(-a+5) = -3a + 15$

c) $9(x-7) = 9x - 63$

d) $-5(-x+3) = 5x - 15$

458

a) $a(a+8) = a^2 + 8a$

b) $4x(x+7) = 4x^2 + 28x$

c) $x(6x+12) = 6x^2 + 12x$

d) $6x(10x - 0,5) = 60x^2 - 3x$

$$\begin{array}{r} 0,5 \\ \cdot 6 \\ \hline 3,0 \end{array}$$