

№33.4

$$\begin{aligned} 5) (0,5x - 2y)^3 &= (0,5x)^3 - 3 \cdot (0,5x)^2 \cdot 2y + \\ &\quad + 3 \cdot 0,5x \cdot (2y)^2 - (2y)^3 = \\ &= 0,125x^3 - 1,5xy + 6xy^2 - 8y^3 \end{aligned}$$

$$\begin{aligned} 6) \left(\frac{2}{9}n + \frac{9}{2}m\right)^3 &= \\ &= \left(\frac{2}{9}n\right)^3 + 3\left(\frac{2}{9}n\right)^2 \cdot \frac{9}{2}m + 3 \cdot \frac{2}{9}n \cdot \left(\frac{9}{2}m\right)^2 + \left(\frac{9}{2}m\right)^3 \\ &= \frac{8}{243}m^3 + \frac{2}{3}n^2m + \frac{27}{2}m^2n + \frac{243}{8}m^3 \end{aligned}$$

№33.11

$$\begin{aligned} 7) (0,3x^5 - 0,5y^2)^3 &= \left(\frac{3}{10}x^5 - \frac{1}{2}y^2\right)^3 = \\ &= \left(\frac{3}{10}x^5\right)^3 - 3 \cdot \left(\frac{3}{10}x^5\right)^2 \cdot \frac{1}{2}y^2 + 3 \cdot \frac{3}{10}x^5 \cdot \left(\frac{1}{2}y^2\right)^2 \\ &\quad - \left(\frac{1}{2}y^2\right)^3 = \frac{27}{1000}x^{15} - 3 \cdot \frac{9}{100} \cdot \frac{1}{2}x^{10}y^2 + \\ &\quad + 3 \cdot \frac{3}{10}x^5 \cdot \frac{1}{4}y^4 - \frac{1}{8}y^6 = \\ &= \frac{27}{1000}x^{15} - \frac{27}{200}x^{10}y^2 + \frac{9}{40}x^5y^4 - \frac{1}{8}y^6 \end{aligned}$$