

1 du

1.1

$$\begin{aligned}(a_n) &= (1, -1, 2, -1, 3, -3, \dots) \\ (b_n) &= (1, -3, 5, -7, 9, -11, \dots)\end{aligned}$$

$$\frac{1}{(1+x)^3}$$

$$(c_n) = (1, 4, 9, 16, 25, 36, \dots)$$

$$\frac{1}{(1-x)^4}$$

1.2

$$\begin{aligned}[x^5] : (2x-1)^{-2} \\ [x^5] : (1+x)^{-1/3}\end{aligned}$$

1.3