

$$\begin{aligned} \dots &= \left(-\frac{1}{2}\right)^{-4} - (5^4)^{\frac{1}{4}} - \left(\left(\frac{3}{2}\right)^2\right)^{-\frac{3}{2}} + 19 \cdot \frac{1}{(-3)^3} = \\ &= 2^4 - 5 - \left(\frac{3}{2}\right)^{-3} - \frac{19}{27} = 16 - 5 - \left(\frac{2}{3}\right)^3 - \frac{19}{27} = 11 - \frac{8}{27} - \frac{19}{27} = 11 - 1 = 10 \end{aligned}$$