

$$\begin{aligned} \textcircled{6} \quad h(x) &= (x^{-1/2} + 2x)(7 - x^{-1}) \\ &= (x^{-1/2} + 2x)(x^{-2}) + (-\frac{1}{2}x^{-3/2} + 2)(7 - x^{-1}) \\ &= (4^{-1/2} + 2(4))(4^{-2}) + (-\frac{1}{2}(4)^{-3/2} + 2)(7 - 4^{-1}) \\ &= (\frac{1}{2} + 8)(\frac{1}{16}) + (-\frac{1}{2} \cdot \frac{1}{4} + 2)(7 - \frac{1}{4}) \end{aligned}$$