

$$\begin{aligned}
T_1(x) &= x \\
T_2(x) &= x^2 - 2 \\
T_3(x) &= x^3 - 3x \\
T_4(x) &= x^4 - 4x^2 + 2 \\
T_5(x) &= x^5 - 5x^3 + 5x \\
T_6(x) &= x^6 - 6x^4 + 9x^2 - 2 \\
T_7(x) &= x^7 - 7x^5 + 14x^3 - 7x \\
T_8(x) &= x^8 - 8x^6 + 20x^4 - 16x^2 + 2 \\
T_9(x) &= x^9 - 9x^7 + 27x^5 - 30x^3 + 9x \\
T_{10}(x) &= x^{10} - 10x^8 + 35x^6 - 50x^4 + 25x^2 - 2
\end{aligned}$$