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Expand

1. $(5x + 4)^3$

4. $(a - b)^6$

2. $(3x + 2)^5$

5. $(x - \sqrt{2})^5$

3. $(4x^2 - 2)^3$

6. $\left(\frac{1}{x} - 2x\right)^3$

1. $125x^3 + 300x^2 + 240x + 64$

2. $243x^5 + 810x^4 + 1,080x^3 + 720x^2 + 240x + 32$

3. $64x^6 - 96x^4 + 48x^2 - 8$

4. $a^6 - 6a^5b + 15a^4b^2 - 20a^3b^3 + 15a^2b^4 - 6ab^5 + b^6$

5. $x^5 - 5\sqrt{2}x^4 + 20x^3 - 20\sqrt{2}x^2 + 20x - 4\sqrt{2}$

6. $\frac{1}{x^3} - \frac{6}{x} + 12 - 8x^3$