#1: $f(x) := \frac{1}{2} \cdot x^2$

#2: $f(x) := \frac{2}{3} \cdot x^6$

#3: $f(x) := \frac{1}{3} \cdot x^3 - 2 \cdot x^3 - x - 4$

#4: $f(x) := x^3 - x^2 - x^4 - 4$

#5: $f(x) := (x - 4)^2$

#6: $f(x) := (x - 4)^3$

#7: $f(x) := (4 - x)^6$

#8: $f(x) := (2 \cdot x - 1)^3 - (1 - x)^2$

#9: $f(x) := (1 - 4 \cdot x)^2 - \left(\frac{1}{2} \cdot x - 3\right)^3$

#10: $f(x) := \frac{1}{x^2}$

#11: $f(x) := \frac{3}{x^3} - (4 - x)^2$

#12: $f(x) := (x - a)^2 - \frac{a}{x} + (a - x)^2$

#13: $f(x) := 2 \cdot x^2 - \frac{1}{x} + (1 - x)^2$

#14: $f(x) := \frac{1}{4} \cdot x^3 - 4 \cdot x^2 - x$

#15: $f(x) := (x^2 - (1 - x)^2)^2$

#16: $f(x) := x^2 - \frac{1}{x^2}$

#17: $f(x) := (x - 4) \cdot (x - 2) \cdot (1 - x)$