Mini-math Div 3/4: Monday, October 5, 2020 (6 minutes)

Find the derivatives of the following:

(1) $f(x) = x^{1/3}$

(2) $f(x) = \pi^2$

(3) $f(x) = 2x^3 - 5x + 3$

(4) $f(x) = (x+1)^6(x-2)^5$

(5) $f(x) = \dfrac{3x^2 + 1}{x}$

(6) $f(x) = \sqrt{x^2 + 1}$