# Übungen zur Quotientenregel

1. $f(x) = \dfrac{2x}{x^2+4}$

2. $f(x) = \dfrac{2x^3-8}{x^4+6}$

3. $f(x) = \dfrac{10-4x^2}{x^2+7}$

4. $f(x) = \dfrac{x^5-12x}{2x^2+1}$

5. $f(x) = \dfrac{x^5+4x^3}{e^x}$

6. $f(x) = \dfrac{2x-x^2}{e^{2x+6}}$

7. $f(x) = \dfrac{\sin(x)}{x^6+4x^2}$

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

9. $f(x) = \dfrac{\cos(x)}{\sqrt{x}+4}$

10. $f(x) = \dfrac{\cos(2x)}{2e^{-4x+1}+4}$