In class work 5, Spring 2023

You may use your own paper to neatly write your answers to these questions. This assignment is due Wednesday 12 April.

- 1. Evaluate each principle value integral.
- 2 (a) $f_{-\infty}^{\infty} \frac{1+x^2}{1+x^4} dx$
- 2 (c) $f_{-\infty}^{\infty} \frac{1+x^2}{1+x^4} e^{iwx} dx$, where $w \in \mathbf{R}_{>0}$.