Derivatives of the family $\frac{1}{x}$

1. $y = \frac{5}{x^4}$

2. $y = \frac{x^4}{5}$

3. $y = \sin\left(\frac{4}{x^2}\right)$

4. $y = \sin\left(\frac{x^4}{4}\right)$

5. $y = \sec\left(\frac{2}{x}\right)$

6. $y = \sec\left(\frac{x}{2}\right)$

7. $y = \tan^{-1}\left(\frac{4}{x^8}\right)$

8. $y = \tan^{-1}\left(\frac{x^8}{4}\right)$

9. $y = e^{3/x}$

10. $y = 2^{3/x^2}$

11. $y = \ln\left(\frac{1}{x}\right)$

12. $y = \log_4\left(\frac{2}{x}\right)$