

Differentiation - Chain Rule - Inverse Trig & Radical Forms

Find $f'(x)$.

1. $f(x) = \sin^{-1}(x^2)$

2. $f(x) = \sqrt{1 - x^4}$

3. $f(x) = \sec^{-1}(x^3)$

4. $f(x) = \sqrt{x^6 - 1}$

5. $f(x) = \sqrt{x^4 - 1}$

6. $f(x) = \sec^{-1}(x^2)$

7. $f(x) = \tan^{-1}(x^2)$

8. $f(x) = \sin^{-1}(e^x)$

9. $f(x) = \sqrt{e^{2x} - 1}$

10. $f(x) = \sec^{-1}(e^x)$