

مثالها

مثال) دامنه توابع زیر را محاسبه کنید.

1) $f(x) = \text{Arc cos } x$

2) $f(x) = \text{Arc cos } 2x$

3) $f(x) = \text{Arc sin}[x]$

4) $f(x) = \text{Arc cot}(\log x)$

5) $f(x) = \text{Arc cos}\left(\frac{2x}{1-x^2}\right)$

6) $f(x) = \text{Arc sin}(\log x)$

7) $f(x) = \text{Arc tan}\left(\frac{x-1}{\sqrt{x^2-5}}\right)$

8) $f(x) = \text{Arc tan}\sqrt{-\sin^2 \pi[x]}$

9) $f(x) = \text{Arc cos}[x]$

10) $y = \text{Arc cot } g\sqrt{\frac{1-x^4}{1-x^2}}$

11) $y = \text{Arc tan}\sqrt[3]{\frac{x^3-1}{1-x^3}}$

12) $y = \text{Arc sin}\left(\cos\left(\frac{\pi - \pi x^6}{3x^6 - 3}\right)\right)$

13) $y = \text{Arc cos}(\tan x \cdot \cot gx)$

14) $y = \text{Arc sin } 2x + \text{Arc cos } 2x$

15) $y = \text{Arc cos } 4x + \text{Arc cos}(-4x)$