

Domain Practice

Find the domain of each function.

a) $y = 32x^{12} + 23x^3 - 51x + 8$

b) $y = 6x^2 - x - 1$

c) $f(x) = \ln \ln (4x - 10)$

d) $g(x) = \log \log (32x + 8)$

e) $f(x) = (3x + 10)$

f) $h(m) = \ln \ln (m^2 - 1)$

g) $y = \frac{2x^2 - 3x + 12}{x - 6}$

h) $y = \frac{x-1}{x^2-1}$

i) $f(x) = \frac{3x+1}{6x^2-x-1}$

j) $g(x) = \frac{17}{x}$

k) $f(x) = \frac{16x}{x^2+8}$

l) $f(x) = \frac{x^2+8}{16x}$

Domain Practice

m) $y = \sqrt{13x - 50}$

n) $y = \sqrt{13x} - 50$

o) $s(t) = \sqrt{t^2 - 16}$

p) $a(t) = \sqrt[6]{t - 16}$

q) $f(x) = \frac{\sqrt{x-5}}{20-2x}$

r) $g(x) = \frac{20-2x}{\sqrt{x-5}}$

s) $y = \sin \sin \left(\theta - \frac{\pi}{6} \right)$

t) $y = \cos \cos (2\theta + 6\pi)$

u) (θ)

v) $f(x) = \csc \csc x$

w) $y = \frac{\ln \ln x}{\sqrt{x+5}}$

x) $a(t) = \cos \cos (\ln \ln t)$