

Answer on Question #56806 – Math – Calculus

Question

14. Give an example of a radical function $f(x)$ whose domain is $(3, \infty)$ and whose range is $(-\infty, 0]$. You do not need to graph the function. Simply write it out.

Do not use this solution $y = -\sqrt{x-3}$

15. Give an example of a radical function $f(x)$ that goes through the point $(2, 4)$ and whose domain and range are both $(-\infty, \infty)$. You do not need to graph the function. Simply write it out. Do not use this solution $y = \sqrt[3]{x-2} + 4$

Answer

14. $y = -(x - 3)^{\frac{5}{8}}$.

15. $y = (x + 1022)^{\frac{1}{5}}$.