

Continuity

Definition-

Interior point:

Endpoint:

If a function is not continuous at a point c

Continuity Test -

Discontinuity types

Ex)

1. $y = \frac{x+3}{x^2-3x-10}$

$$y = \sqrt[4]{3x-1}$$

2. $y = (2-x)^{\frac{1}{5}}$

3. $h(t) = \frac{t^2+3t-10}{t-2}$

4. $g(x) = \begin{cases} x & x < -2 \\ bx^2 & x \geq -2 \end{cases}$

Try It:

5. $y = \frac{x^2+x-6}{x^2-4}$

6. $y = \sqrt{9-x^2}$