WOW – Discontinuity (WORDS OF WISDOM)

1. Name the points where this function has a removable discontinuity and redefine the function so that it is continuous. $f(x)=\frac{x^2-25}{x+5}$

2. Find where the limit does not exist for $f(x)=\frac{x^2-4x+3}{x-5x+6}$

3. Are the functions continuous at x = 2 (yes or no) Explain why using the definition of continuity.

a. $f(x)=\frac{2x^2-3x-2}{x^2-x-2}$

b. $f(x)=\frac{x^2}{x^2-x+6}$

c. $f(x)=\frac{|x+6|}{x-2}$

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