

Math 2315 - Calculus 2

Quiz #5 - 2017.01.23

Solutions

If we consider $\lim_{x \rightarrow a} \frac{f(x)}{g(x)}$, under what conditions (give at least two) can we apply l'Hôpital's rule?

The conditions are if we have any of the following indeterminate forms:

$$\lim_{x \rightarrow a} \frac{f(x)}{g(x)} = \frac{0}{0}, \pm \frac{\infty}{\infty}$$