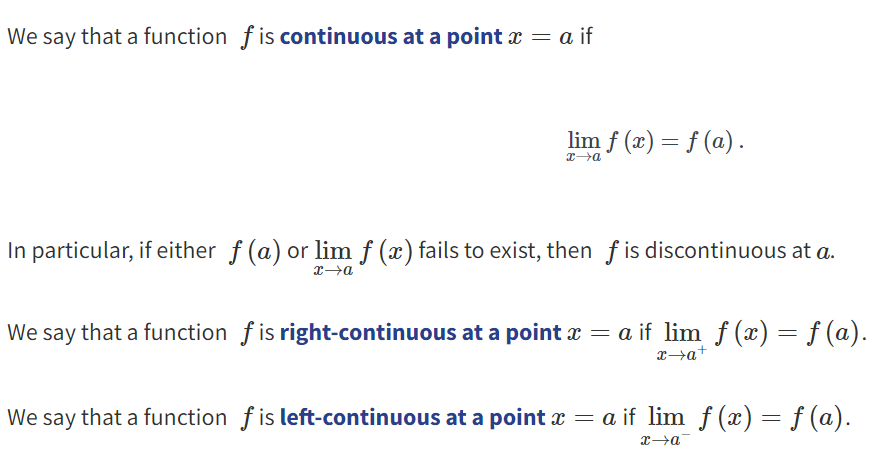
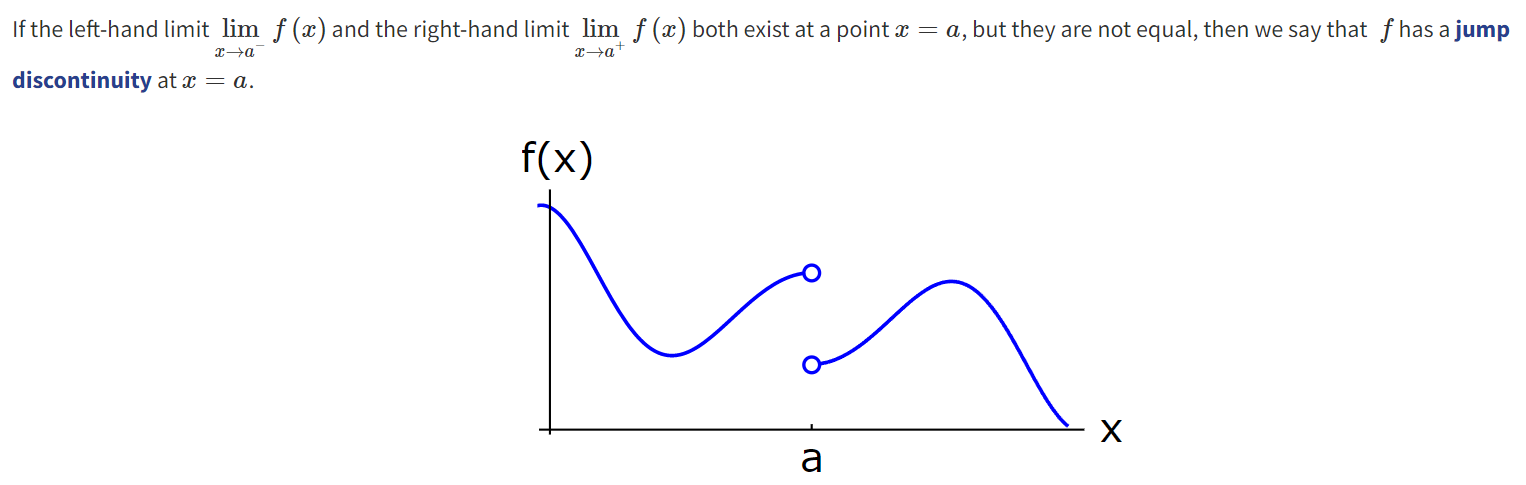
**Definition of continuity at a point**



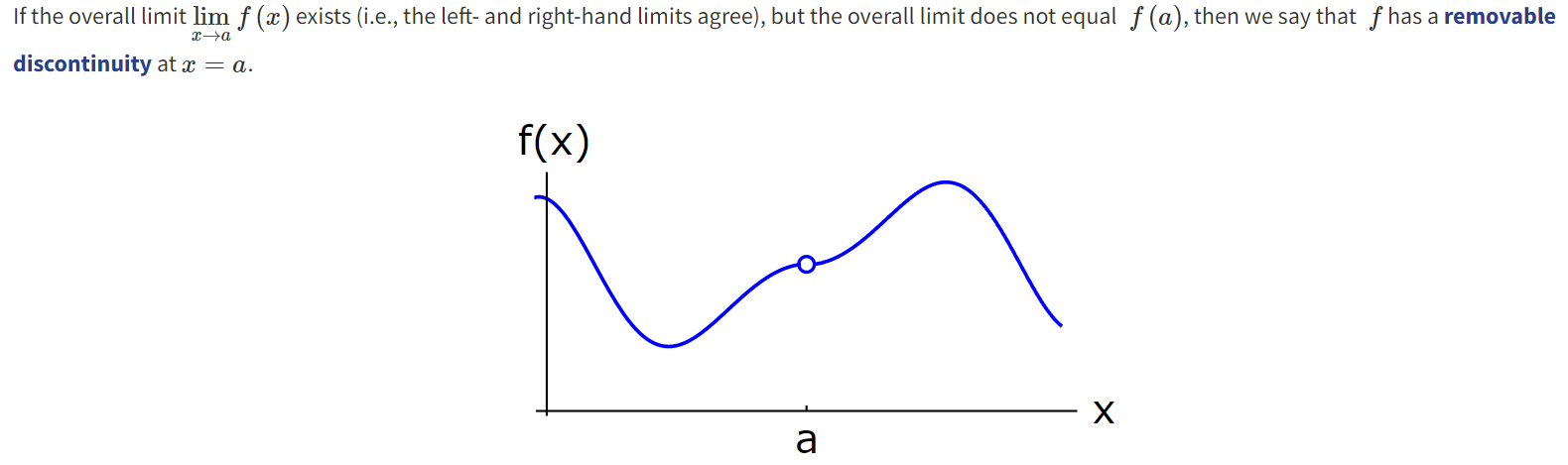
**Types of Discontinuities**

It is sometimes useful to classify certain types of discontinuities.

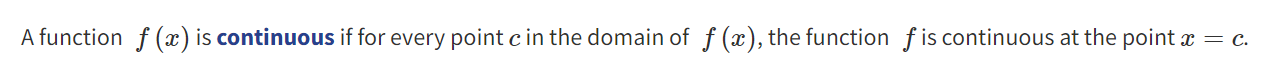
Jump discontinuity



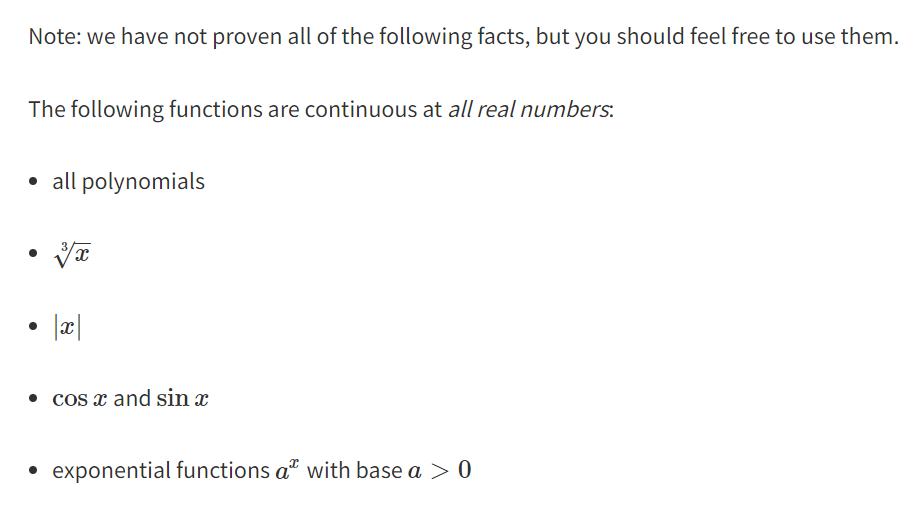
Removable discontinuity

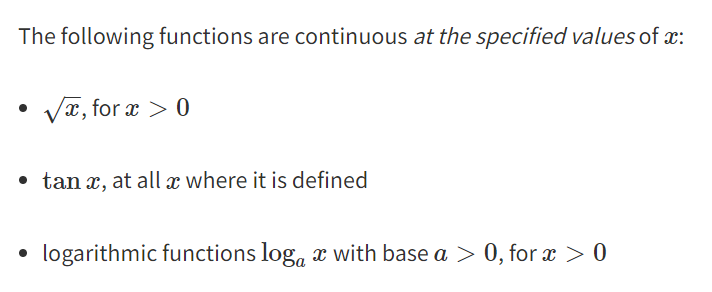


**Definition of continuous functions**

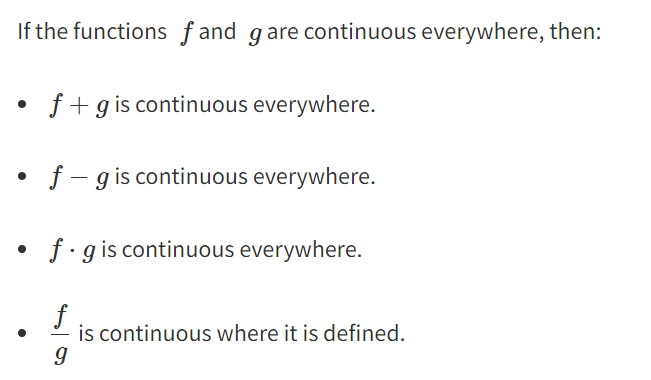
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**Basic Continuous Functions**

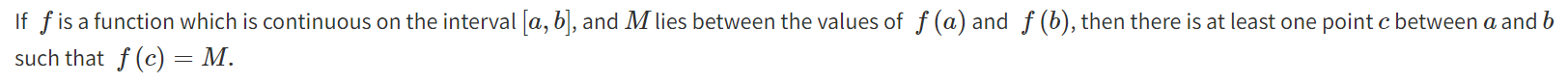
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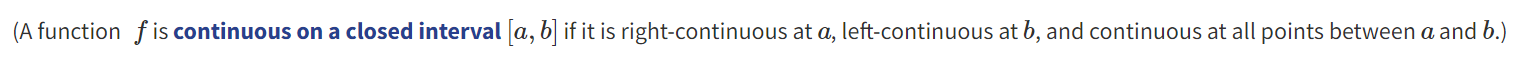
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**Limit laws and continuity**

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**Intermediate Value Theorem**

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* Using this, we can conclude about the roots of a function by using M = 0 depending on how many point C’s it produced (every point that intersected when M=0)