

## Limits

We create limits using the command `\lim` and subscripts.

$$\lim_{x \rightarrow -\infty}$$

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$$\lim_{x \rightarrow 1} \frac{x^2 - 1}{x - 1} = 2$$

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## Integrals

Likewise, we create integrals using the command `\int` and subscripts and superscripts (for definite integrals).

$$\int_a^b f(x) dx = F(b) - F(a)$$

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$$\int \cos \theta d\theta = \sin \theta$$

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