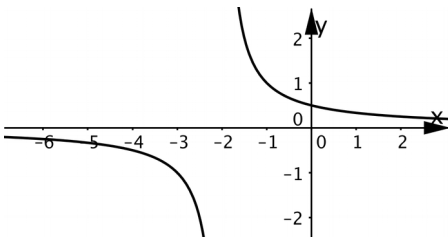
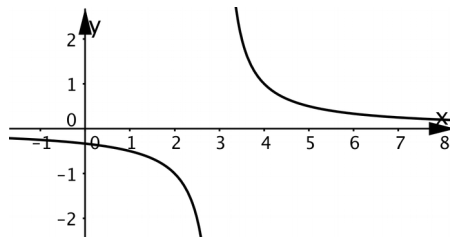


Analysis 09   Grenzwerte	Analysis 09   Grenzwerte	Analysis 09   Grenzwerte
$\lim_{\substack{x \rightarrow +\infty \\ x > +\infty}} e^{-x}$	$\lim_{\substack{x \rightarrow 3 \\ x > 3}} \frac{1}{x-3}$	$\lim_{\substack{x \rightarrow -2 \\ x < -2}} \frac{1}{x+2}$
Analysis 09   Grenzwerte	Analysis 09   Grenzwerte	Analysis 09   Grenzwerte
$\lim_{\substack{x \rightarrow 0 \\ x > 0}} \ln(x)$	$\lim_{\substack{x \rightarrow 4 \\ x > 4}} -\frac{1}{(x-4)^2}$	$\lim_{\substack{x \rightarrow 0 \\ x > 0}} \frac{1}{x^2+1}$
Analysis 09   Grenzwerte	Analysis 09   Grenzwerte	Analysis 09   Grenzwerte
$\lim_{x \rightarrow +\infty} (e^x + 1)$	$\lim_{x \rightarrow +\infty} \left( \frac{1}{x+5} + 3 \right)$	$\lim_{x \rightarrow -\infty} (e^x - 5)$
Analysis 09   Grenzwerte	Analysis 09   Grenzwerte	Analysis 09   Grenzwerte
$\lim_{\substack{x \rightarrow -2 \\ x < -2}} \frac{1}{(x+2)^2}$	$\lim_{x \rightarrow +\infty} \ln(x+1)$	$\lim_{\substack{x \rightarrow 1 \\ x < 1}} -\frac{1}{x+1}$
Analysis 09   Grenzwerte	Analysis 09   Grenzwerte	Analysis 09   Grenzwerte
$\lim_{\substack{x \rightarrow 3 \\ x > 3}} -\frac{1}{x-3}$	$\lim_{\substack{x \rightarrow 2 \\ x > 2}} -\ln(x-2)$	$\lim_{x \rightarrow -\infty} \left( \frac{1}{x^2+1} + 2 \right)$



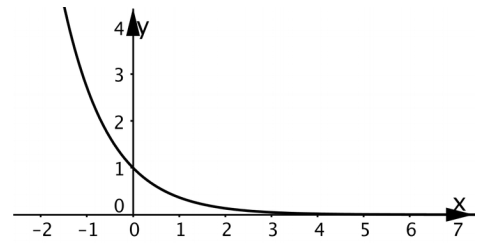
$$\lim_{\substack{x \rightarrow -2 \\ x < -2}} \frac{1}{x+2} = -\infty$$

03



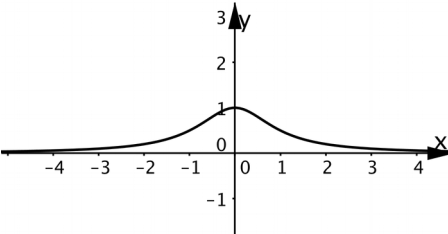
$$\lim_{\substack{x \rightarrow 3 \\ x > 3}} \frac{1}{x-3} = +\infty$$

02



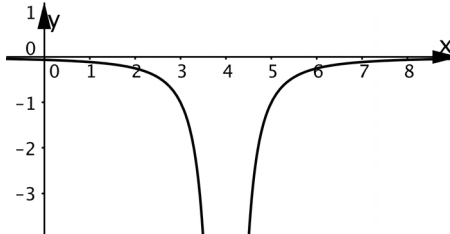
$$\lim_{x \rightarrow +\infty} e^{-x} = 0$$

01



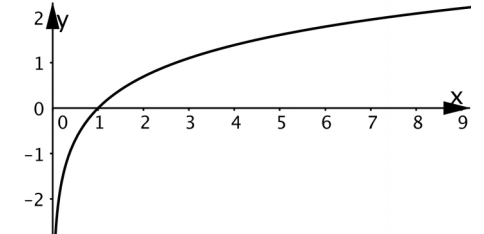
$$\lim_{\substack{x \rightarrow 0 \\ x > 0}} \frac{1}{x^2+1} = 1$$

06



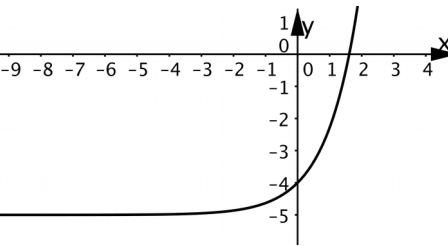
$$\lim_{\substack{x \rightarrow 4 \\ x > 4}} -\frac{1}{(x-4)^2} = -\infty$$

05

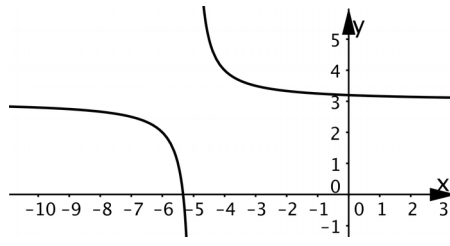


$$\lim_{\substack{x \rightarrow 0 \\ x > 0}} \ln(x) = -\infty$$

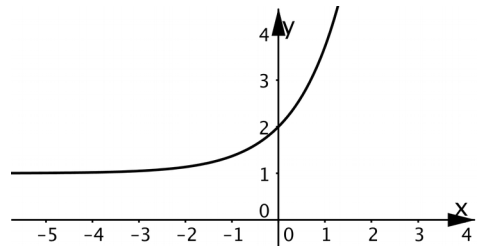
04



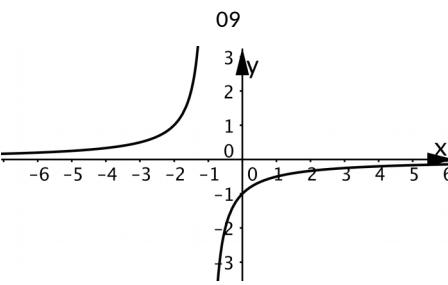
$$\lim_{x \rightarrow -\infty} (e^x - 5) = -5$$



$$\lim_{x \rightarrow +\infty} \left( \frac{1}{x+5} + 3 \right) = 3$$

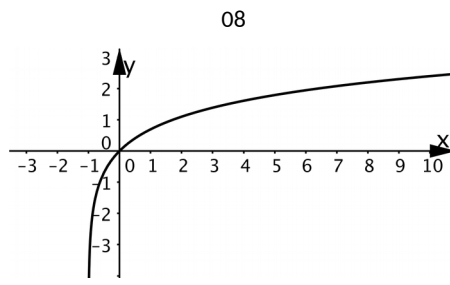


$$\lim_{x \rightarrow +\infty} (e^x + 1) = +\infty$$



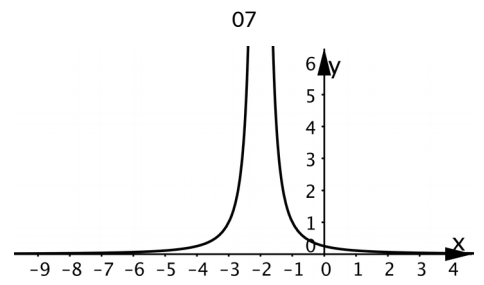
$$\lim_{\substack{x \rightarrow 1 \\ x < 1}} -\frac{1}{x+1} = -\frac{1}{2}$$

12



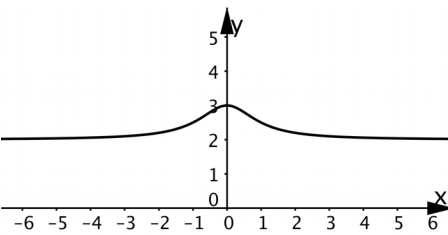
$$\lim_{x \rightarrow +\infty} \ln(x+1) = +\infty$$

11



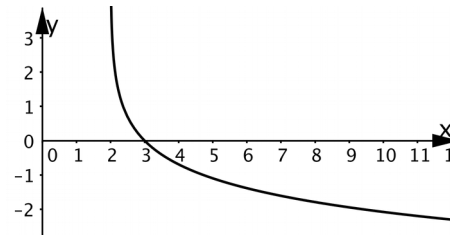
$$\lim_{\substack{x \rightarrow -2 \\ x < -2}} \frac{1}{(x+2)^2} = +\infty$$

10



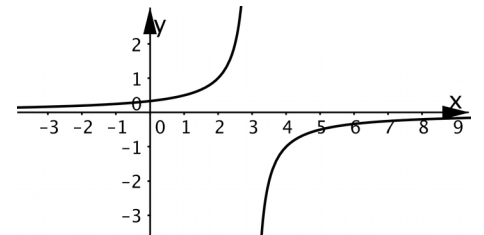
$$\lim_{x \rightarrow -\infty} \left( \frac{1}{x^2+1} + 2 \right) = 2$$

15



$$\lim_{\substack{x \rightarrow 2 \\ x > 2}} -\ln(x-2) = +\infty$$

14



$$\lim_{\substack{x \rightarrow 3 \\ x > 3}} -\frac{1}{x-3} = -\infty$$

13