

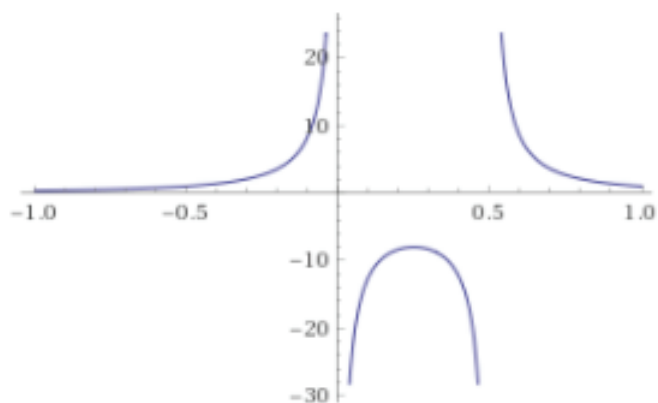
plot $1/(2x^2-x)$ {x,-1,1}[Web Apps](#) [Examples](#) [Random](#)Assuming "1" is referring to math | Use as a [number](#) instead

Input interpretation:

plot	$\frac{1}{2x^2-x}$	$x = -1$ to 1
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[Open code](#)

Plot:



```
plot (4*x)/(x^2+1) {x,-10,10}
```

[Web Apps](#) [Examples](#) [Random](#)

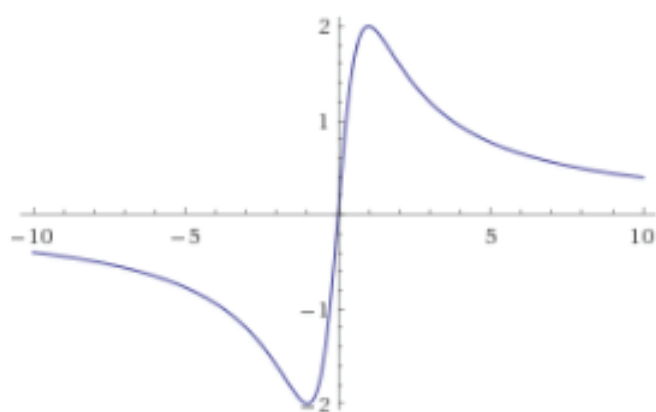
Assuming "-10" is referring to math | Use as a [number](#) instead

Input interpretation:

plot	$\frac{4x}{x^2+1}$	$x = -10$ to 10
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[Open code](#)

Plot:



limit $\log(x)/\cot(x)$ as $x \rightarrow 0^+$ [Web Apps](#) [Examples](#) [Random](#)Assuming "log" is the natural logarithm | Use [the base 10 logarithm](#) instead

Limit:

 Step-by-step solution

$$\lim_{x \rightarrow 0^+} \frac{\log(x)}{\cot(x)} = 0$$

[Open code](#)

$\log(x)$ is the natural logarithm
 $\cot(x)$ is the cotangent function

Limit from opposite direction:

 Step-by-step solution

$$\lim_{x \rightarrow 0^-} \frac{\log(x)}{\cot(x)} = 0$$



limit x*tan(1/x) as x->infinite

[Web Apps](#) [Examples](#) [Random](#)

Limit:

 Step-by-step solution

$$\lim_{x \rightarrow \infty} x \tan\left(\frac{1}{x}\right) = 1$$

[Open code](#) Series expansion at $x = \infty$:[More terms](#)

$$1 + \frac{1}{3x^2} + \frac{2}{15x^4} + O\left(\left(\frac{1}{x}\right)^5\right)$$

(Laurent series)

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limit $x \sin(1/x)$ as $x \rightarrow$ infinite



 Web Apps  Examples  Random

Limit:

Step-by-step solution

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

Open code 

Series expansion at $x = -\infty$:

[More terms](#)

$$1 - \frac{1}{6x^2} + \frac{1}{120x^4} + O\left(\left(\frac{1}{x}\right)^5\right)$$

(Laurent series)



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