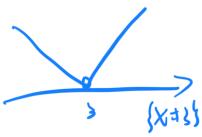
ex b.
$$\lim_{x \to 0} \frac{x^{2}-3x+2}{x^{2}-2} = \lim_{x \to 0} \frac{(x^{2}-1)(x-1)}{x^{2}-2} = |$$
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ex 4. $\lim_{t \to 0} \frac{x^{2}+6x+1}{t^{2}-2} = |$
ex b. $\lim_{x \to 0} \frac{x^{2}+6x+1}{3x^{2}+8x+0} = \lim_{x \to 0} \frac{1+\frac{6}{x^{2}}+\frac{1}{x^{2}}}{2+\frac{2}{x^{2}}-\frac{1}{x^{2}}} = \frac{1}{3}$

多项式相除,治高阶:水>四,如>00;细高阶:水>0,如>0。同阶流数相片



f(x)=|x| f(0) DNE

Continuous X differentiable

differentiable (no sharp corners to jump)

e.g.
$$f(x) = \chi^{5.2}$$
, $f(x) = 5.2\chi^{4.2}$
 $g(t) = \frac{1}{t}$, $g(t) = -\frac{1}{t^2}$
position function $f(t)$

velocity function v(t)= p(t)

acceleration function att)=Vity=pict)