CURVE SKETCHING WITH CAS

$$f(x) = \frac{x^2 + 3x + 1}{x + 1}$$

Vertical

$$\lim_{x \to -1^-} \frac{x^2 + 3x + 1}{x + 1}$$

$$\lim_{x \to -1^+} \frac{x^2 + 3x + 1}{x + 1}$$

Slant/Curviliniar

Menu — #3 Algebra — #5 fraction tools
— #1 proper fraction

Slant $y = x + 2$

Crit pts

$f'(x) = 0$ false

$f'|_{x = -2}$

$$\frac{\quad + \quad | \quad + \quad}{-2 \quad -1 \quad \quad 0}$$

Must break intervals at vertical asymp

$$f(x)|_{x = \#}$$

-2	
0	