

**Exempel 0.0.1** ( Bestäm  $\lim_{x \rightarrow 1} \frac{x^2 - 4x + 3}{x - 1}$  )

$$\frac{x^2 - 4x + 3}{x - 1} = \frac{(x-1)(x-3)}{(x-1)} \text{ Alltså } \lim_{x \rightarrow 1} \frac{x^2 - 4x + 3}{x - 1} = \lim_{x \rightarrow 1} (x - 3) = -2$$