$$\frac{E \times 7}{x - 1} : \lim_{x \to 1} \frac{x^2 - 2x + 1}{x^2 - 1} = \frac{1 - 2 + 1}{1 - 1} = \frac{0}{0} = ?$$

$$\chi^2 - 2\chi + 1 = (\chi - 1)^2$$
 et  $\chi^2 - 1 = (\chi + 1)(\chi - 1)$ 

$$\lim_{x \to 1} \frac{(x-1)^2}{(x+1)(x-1)} = \lim_{x \to 1} \frac{x+1}{x+1} = \frac{0}{2} = 0$$

Ex8: 
$$\lim_{x\to 2} \frac{x^2-3x+2}{x^2-x-2} = \frac{4-6+2}{4-2-2} = \frac{0}{0} = \frac{9}{1}$$

$$x^{2}-3x+2 = (x-2)(x+b) =$$

$$= x^{2}+bx-2x-2b =$$

$$= x^{2}+x(b-2)-2b$$

Donc 
$$b-2 = -3$$
  $-2b = 2$   
 $b = -1$   $b = -1$ 

$$x^2 - 3x + 2 = (x-1)(x-1)$$