$$\lim_{X \to 7} \frac{x^2 - 49}{x^2 - 13x + 42} = (1)$$

$$\begin{pmatrix} i \end{pmatrix} = \begin{pmatrix} 0 \\ \overline{0} \end{pmatrix}$$

$$\chi^2 - |3\chi + 42 = \chi^2 - 7\chi - 6\chi + 42 = \chi(\chi - 7) - 6(\chi - 7) =$$
  
=  $(\chi - 6)(\chi - 7)$ 

$$\frac{\chi^{2}-49}{\chi^{2}-13\chi+42}=\frac{(\chi-\bar{\tau})(\chi+\bar{\tau})}{(\chi-6)(\chi-\bar{\tau})}=\sqrt{\chi-\bar{\tau}\neq0};\chi\neq\bar{\tau}]=\frac{\chi+\bar{\tau}}{\chi-6}$$

(i) = 
$$\lim_{X \to 7} \frac{X+7}{X-6} = (\frac{X+7}{X-6})_{X=7} = \frac{7+7}{7-6} = \frac{14}{1} = 14$$
  
Order:  $X \to 7$