P6)		
5. 6x ⁴ -8x ² +1=0 Sätt x ² = u		
Jate X = U		
16 m - 8 m + 1 = 0 m - 1 m + 1 = 0		
(1.5 ± 0.00)		
$\mathcal{N} = \frac{1}{4} + \sqrt{\frac{1}{16} - \frac{1}{6}}$		
$U_1 = \frac{1}{4}$ $V_{\pm} + V_{\pm} = \frac{1}{6}$	dubbel 15 ther	
$\begin{array}{cccc} U_1 = \frac{1}{4} \\ U_{1} = \frac{1}{4} \end{array} \qquad \begin{array}{ccccc} \chi_{1} = \frac{1}{2} \\ \chi_{2} = \frac{1}{4} \end{array}$	araba to ta	
Faktorisering av polynomee:	$16x^{4} - 8x^{2} + 1 = 0$ $(=>)$ $16(x - \frac{1}{2})(x + \frac{1}{2})^{2}$	
	$\frac{1}{16}\left(x - \frac{1}{2}\right)\left(x + \frac{1}{2}\right)^{2}$	
 		
X ³ =-1		
X=-1 ar en rot		
$ \begin{array}{c ccccc} x^2 - x + 1 & x^2 - x + 1 \\ x + 1 & x + 1 & x = \frac{1}{2} & \frac{1}$	$\frac{1}{\frac{1}{4}} \cdot \frac{1}{4}$ $\frac{1}{4} = \frac{1}{2} \cdot \sqrt{\frac{113}{2}}$	
$X + 1 \times + 1$ $X = \frac{1}{2} + 1$		
$\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right)$	4 - 2 - V - 2	
$-(-\chi^2+\chi)$ $X_1=-1$		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\frac{100}{2}$ $\times^{5} + 1 = (x+1)(x^{4}+x+1) = (x+1)(x-\frac{1}{2}-\frac{115}{2})$	$\left(X + \frac{1}{2} + \frac{1}{2} \times \frac{1}{2}\right)$
$-(X+1)$ $X_3=\overline{2}-\sqrt{2}$	2	
$\frac{X^{3}-1}{x^{2}-2}$		
X		
$(x^3 - 2x)$		
$\begin{array}{c cccc} x^3 - 1 & x^2 & 2 \\ -(x^3 - 2x) & & & \\ \hline 2x - 1 & & & & \\ \end{array}$		
	A 7 A(V.17) + T3(V-17) (A T5)V (A T5)V	
	$\left(\frac{A}{+x\cdot 12} + \frac{B}{x+12} = \times + \frac{A(x+12) + B(x-12)}{(x\cdot 12)(x+12)} = \frac{(A+B)x + (A-B)x^2}{(x+12)(x\cdot 12)}$	+
A+B=2 B=7-4	A = 1 + 1/45	
$A+B=2$ $B=2-A$ $(A-B)(x=1)$ $2A-2=\frac{1}{12}$	$B = 2 - \left(\left \frac{1}{2\sqrt{2}} \right \right) = \left \frac{1}{2\sqrt{2}} \right $	
$\frac{x^{3}-1}{x^{2}-2} = x + \left(1 + \frac{1}{2\sqrt{2}}\right) + \left(1 - \frac{1}{\sqrt{2}}\right) + \frac{1}{\sqrt{2}}$		
19, X ² +Px+9=0		
	om $D < 0$ $\Rightarrow X = \frac{-P}{2} + i \sqrt{ D }$	
D		



