1) 
$$\frac{\sqrt{14}}{\sqrt{14}} = \frac{6}{3} = 2 \text{ SR}$$
 $= \frac{6}{3} = 2 \text{ SR}$ 
 $=$ 

i= i, +iz= 1 A

$$\begin{array}{c}
(4) \ b) \\
2013 \ \Phi_{6A} & 301 = 720 \\
3015 \ \Theta_{6A} & 301 = 720 \\
1282 \ ON \\
720 \ \Theta
\end{array} = 620 \ \Theta$$

$$= 620 \ \Theta$$

$$= 1.474 \ \Theta$$

$$= 4252$$

5) a) 
$$t < 0$$
:  $\frac{37}{64}$   $\frac{37}{64}$   $\frac{5}{9}$   $\frac{37}{9}$   $v = 6A - 3/(3+3)$   $0 = 12V$   $0 = \frac{3}{3+3} \cdot 12 = 6V$ 

ii)  $t \to \omega : V_c(t) \to 0$