$$V_{SIMS} = V_{M} = V$$

$$V_{01MA} = V_{2M} = \frac{12}{2} = 5V \text{ Are}$$

$$V_{01MA} = V_{2MMA} = \frac{5}{3.18} = 1.57 \text{ Ares.}$$

$$V_{01} = V_{01MA} = \frac{1}{5} = 2 \text{ Ares.}$$

$$V_{01} = V_{01MA} = \frac{1}{5} = 2 \text{ Ares.}$$

$$V_{01} = 20V$$

4) (A)
$$U = 13(50) \sin 3774 - 25°$$
 $V_{nms} = V_{m}$; $V_{m} = 52 \times 50$ | Gentlews with $U = V_{ms} \sin (ut + 0.7)$
 $U = 50V$

Phase = -35°

(B) $U = 83.5 \cdot 52 \times 90.4$) $\sin (754t + 48)$
 $V_{mms} = V_{m} = 90.4V$
 $0 = 48$
 $0 = 48$
(C) $U = 83.6 \cdot 63(u \cot - 15°)$
 $U = 83.6 \cdot 63(u \cot + 15°)$
 $U = 83.6 \cdot 63(u \cot + 75°)$
 $V_{mms} = \frac{83.6}{12} = 59.1V$
(D) $U = \frac{83.6}{12} = 59.1V$
(D) $U = \frac{83.6}{12} = \frac{59.1}{12} = \frac{3.46}{120} =$

B 7.34- j1,29-(5,62+j8,92) (4) = 7.34+ (-5.62) - jl.29- j8.92 = 1.72-76.23 C -24+j12- (-36-j16)-(17-j24) =-24+36-17+ J(12+16+24) = -5 + j52 (a) (4+j2) (3+j4) =4.472 (26.56 x 5 L 53.13 = 22.36 (79.69° = 4+121.998 * use scientefic calculator (b) (b+j2)(3-j5)(2-j3) = (6.3245 L 18.4349°) (5.83 L-59.036) (3.6 L-56.3) -132.6442-96.9111 =-15,96- f131,60