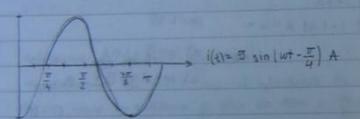
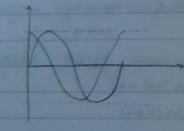
MAACL 1) U= \$ += 3  $0 = \frac{0}{100} = \frac{155.5}{100.05} = 100.05$ u(+) = 122 5 sin (877.6 + 17) W= 277\$  $L = \frac{\pi}{6} = 30^{\circ}$   $f = \frac{\omega}{2\pi} = \frac{377}{2 \cdot 3.14} = 60.03 \text{ Hz}$  $1 = 1 m \sin \left(\omega t + \frac{\pi}{4}\right) \qquad 1 = \frac{1 m}{4}$ +=0 a) 1=1A Im= 1. 12 b) 1=1.41 A a) Im= 12 = 1.41A b) Im = 1.41. 12 = 1 A 3) Im= 1.41 A= 12 A +=0 1= 1 A a) roste b) smany we

3)  $lm = 1.41 A = \sqrt{2} A$  l = 1A l = 1A  $l = 1m \sin (wt + d)$   $l = \sqrt{2} \sin (0 + d)$   $l = \sqrt{2} \sin (0 + d)$   $l = \sqrt{2} \cos (0 + d)$ 

 $i_8 = \sqrt{2} \sin \left( \omega t + \frac{\pi}{4} \right)$ 

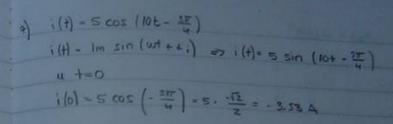


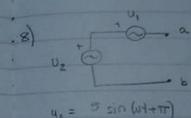




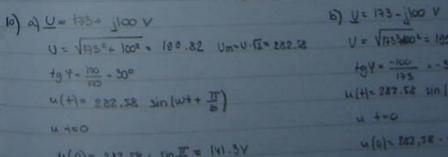
allo knomo da mora with blong tistin smuse i knomme

3 67 - x12 utte adsinut - 200 court X=10 - Tome News 12





a) 
$$1 = 12$$
;  $12 A$ 
 $1 = 12$ 



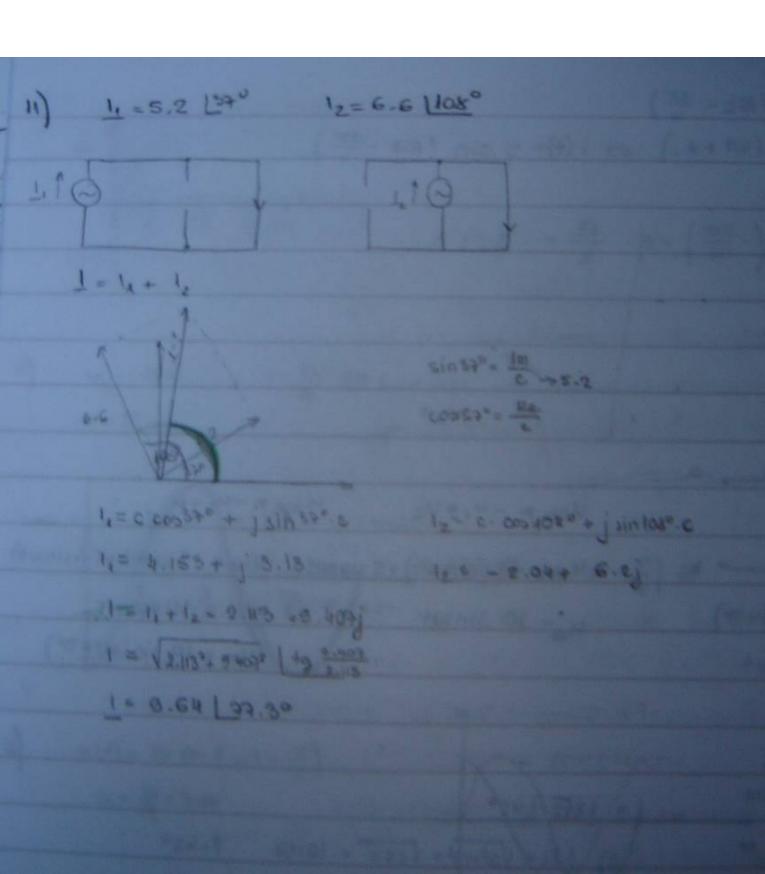
$$U = \sqrt{195^{\circ} + 100^{\circ}} = 180.82 \quad U_{m} = U \cdot \overline{12} = 282.58 \qquad U = \sqrt{195 \cdot 100^{\circ}} = 180.82 \quad U_{m} = 282.58$$

$$tg \Psi = \frac{100}{195} = 30^{\circ}$$

$$u(+) = 282.58 \quad \sin(\omega + + \frac{\pi}{6})$$

$$u(+) = 282.58 \quad \sin(\omega + + \frac{\pi}{6})$$

$$u(+) = 282.58 \cdot \sin(\omega + + \frac{\pi}{6})$$



```
EADACI VIZ
                                   u=311/12 = 220 V
    1) u(t) = 311 sin (314+)
                                           R= U 1= U= 2.2 A
          Im 11 = 2
           R=100-12
                                            1m = 1 - 12 = 3.11 A
                                           1= 0 = 0 = 0 = 0 | f
           Um stalva
           f promjenjima
           1 = \frac{3}{2} ato f_2 = 2f_1, |= x \cdot \frac{1}{f_1}| = \frac{1}{2} \cdot \frac{1}{f_2}
                                                                       a puta manja struja
 3) L=0.1 H
          V = 220V , 1- 50 HZ
      v_1 = \frac{U}{1} 1 - \frac{U}{x_L} = \frac{220}{v_0 + 0.4} = 7 \text{ A}
       farmi odnos smye i uspona
        u(+) = 22012 sin w + -\frac{\pi}{2} u = 22010^{\circ} x = \frac{u}{1} = \frac{220}{7} = 31.4
1(+) = 712 \sin(w + -\frac{\pi}{2})
1 = 7 + 1.90^{\circ}
4) u(+)=100 sin (w+ 17)
     i(t)=1.005\left(\omega t+\frac{\pi}{2}\right)=1. \sin\left(\omega t+\frac{\pi}{2}+\frac{\pi}{2}\right)=1. \sin\left(\omega t+\pi\right)
    W = 1000 \text{ rad } 0 R = \frac{U}{1} = \frac{10012}{50} = 100 - 2
    topocitorau ofper
       X_{C} = \frac{1}{2\pi L C} C = \frac{1}{100 \cdot 1000} = 10^{-5} F
```

```
u(+)=umsinwt
                                                                        i(H= 1m Im (wt - 1)
                        INDUKTIVNI OTPOR-Strya zacotaje za napovom za II
                        KAPACITIVAN OTFOR-Struja prethodi ucpone za II
                                                                        u(t)= um sin wt
                                                                        i (H = Im sin (u)+ I)
                             U= 100 130°
                             L= 1 180°
                              prividui otpa = 2. 100 1300 = 100 1-50°
2 pida veca tretvenina 6) Xz = 314 12
                                                           XL = WL
                          a) L=2
                                                                L= x1 = 314 = 1 H
                             b) 4 = 220 \( \frac{2}{2} \sin (314+) \( \frac{1}{2} \)
                                                                1 = U = 220 = 0,7 A
                             Um = 22012
                                    0 = 22012 = 220
                                                                         Im=0.712 = 0.29
                                                        i(t)= 1 sin (314+- 11)
                                   0=550/0°
                                     1 = 0.7 1-30 X= 314.3 100° = 314.3
                         7) U= 220 10°
                              X = 3/4. 5 130°
                                1= 0 = 220 100 = 0.7 1-500
                                                        XC = 1 = 318,3 V=318.3 -4=318.3 V
                          8) I=0.2.A
                                                                          Um = U 12 - 450
                         9) C=10 MF = 10 F
                                                              u (0.005) = 450. sin (2.50.77.0005)
                                1=1100
                                                                 = 450 · sin = 450 V
                                +1= 0.002 8 U=2
                                                               4 (0.04)= 450 · sin (2.50.17.0.01)
                                12=0.015 U=2
                                                              = 420 · sin II = 0 V
```

f=50+16 E=1 11 +=0.01 >