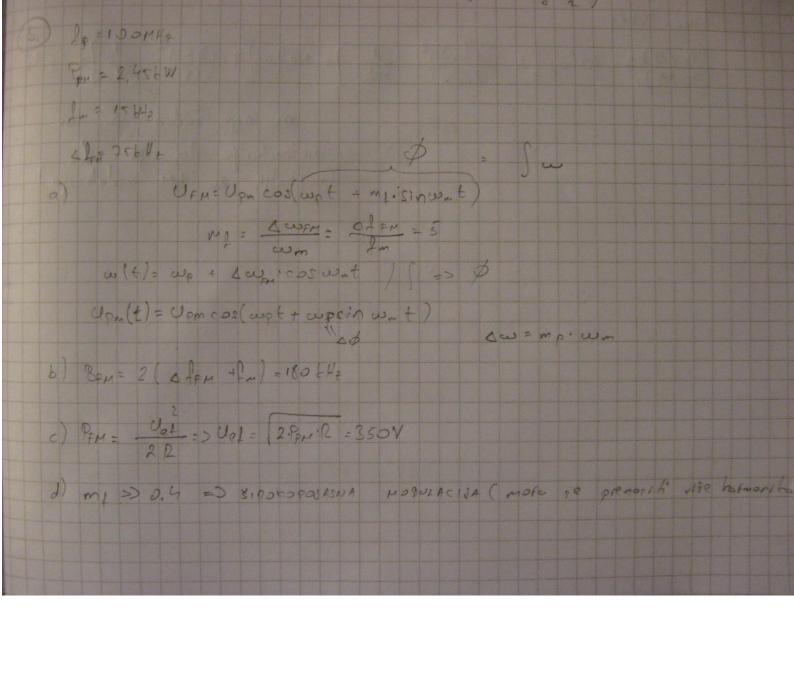
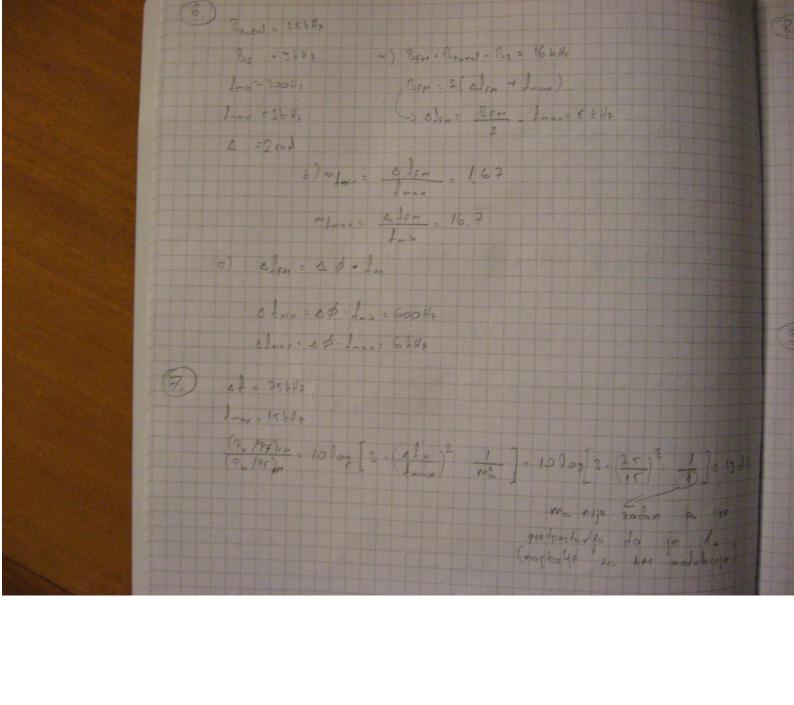


1) Pari = Pro mal = 18 W (1. boens kargoneste) Para: Po : Mar & 8W 7(kH2) (20) 2 Anin= 80 Vgo a) Amax Dan (10 ma) a) Ma = Amax + Amin = 0 2 Amax = 160 Vgg fo = 5126H2 b) Amax = Upm (1+ ma) => Upm = Pm = to to Hz lg=fn+1p=5160Hz 11 = 17-1m = 5086Hz Ugbr = Udor = Upm : 101 c) PAN = 20 (1+ 2) = 28W

O 2 Pms D.5 D.025 ma = Amar - Anin = 0.8 (S/1) = 10 log - Pe = 10 log (mare) = 30, 1 drs UAM(E) - Upy (1+ Ma cosw. +) coswpt coswpt+8) Udm (+)= k. Um (t).cos 9 = c. 1. Upm + padre 20 6d (-20 log 2) D=100MH2





8.) a) Ben: 2. (at + frax) = 2. (G, 25+5) = 22, 5 HU2 00 - to (1/4) - to (1) . 0, 464 11 - 16 . 1 - 0,464 · 2160= 16He

