Homework 3: Diffraction
1) at 1 6 1/ 2=650 nm L=2m
max = 2
Jum y = 2 Ltcm On n y = 2 Ltcm On n y = 5 2 5 cm = 2 2 5 cm
5. Want Dynew = 24 = 4 = 15.2 cm a.s. in 00 = 2 a.s. in (0.57345) = 650 nm b. 100 nm c. 2 12450
14. 2=550m
8 5 1 1 C
5) DSin(3.5) *10-6) = 1 22 (570 ×10-9) = 13
2. Am resolvable line 18 2. Am resolvable line