- 1) The light of two independent sources (λ =800nm and λ =400nm) shines onto a diffraction grating (N=10, d=0.1mm) and produces a diffraction pattern on a screen 3m away. [diffraction grating = optical grid = N-slit)
 - At which distance from the center do we expect the 0th, 1st, 2nd fringe (maximum in light) for each of the light rays?