**Physics 30 – Lesson 12**

**Diffraction Gratings**

/49

**Practice problems**

1)



/4



2)

/4

**Assignment**



1)



/5



2)

/4



3)

/4

4)



/4

5)



/3



6)



/6

7)



Note that x is quite large compared to L. From the geometry we can calculate .



3.00 mm

1.20 mm



/5



8)



/5



9)



/4

10)



/3



11)



/3



12



/3