**Physics 30 – Lesson 5**

## Introduction to Light

 / 65

**Practice problems**

1)

35 cm

 x

30 cm

10 cm

2)

camera

1.90 m

 x

0.25 m

7.5 m

3)

 

4)

b. Calculate the time for the light to go to and return from the reflecting mirror –

1/8th T

a. Calculate the time for one revolution – T

**Assignment**

1)

/3

2)

/4

3) 10 years after it exploded

/1

a)

4)

/7

b) 4.3 years

c)

d)

5)

/3

6)

/3

Jupiter

7)

/4

0.10 m

0.20 m

3.5 m

8)

/3

9)

/2

10)

Similar Triangles

5.0cm

25 cm

100 cm

/3

2.0 cm

5.0 cm

20 cm

11)

/6

12)

1.0

10 m

x

15 m

15 + x

/4

13)

/4

14)

/6

15)

/6

16)

/6