

**Ex 18.5 Answer Page**

PHASE	FLUX

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1. Value of flux for normalizing the light curve: \_\_\_\_\_.
2. Phase of secondary conjunction or eclipse: \_\_\_\_\_.
3. Type of orbit: \_\_\_\_\_.
4. Depth of primary eclipse: \_\_\_\_\_ .
5. Depth of secondary eclipse : \_\_\_\_\_ .
6. Light ratio for the stars: \_\_\_\_\_ .
7. Light fractions  $f_1 =$  \_\_\_\_\_
8. Light fraction  $f_2 =$  \_\_\_\_\_ .
9. Phase interval from 1st contact to mid-eclipse for primary eclipse is \_\_\_\_\_ .
10. Phase interval from 1st contact to mid-eclipse for secondary eclipse is \_\_\_\_\_ .
11. Average value of the above phase interval is \_\_\_\_\_ .
12. Above phase interval in days is \_\_\_\_\_ . This number of days in seconds is \_\_\_\_\_ .
13. Value of  $R_1 + R_2 = (\text{orbital speed}) \times (\text{time in seconds from above})$  is: \_\_\_\_\_ .
14. Value of  $R_1 + R_2$  divided by  $\sin i$  is \_\_\_\_\_ .
15. Temperatures of stars found on internet:  $T_1 =$  \_\_\_\_\_ , and  $T_2 =$  \_\_\_\_\_ .
16. Value for  $R_2/R_1$  computed using temperature and light ratio is \_\_\_\_\_ .
17. Value for  $R_1 =$  \_\_\_\_\_
18. Value for  $R_2 =$  \_\_\_\_\_ .