

AVIA 101 Homework Assignment # 9  
Answers are located in your Jeppesen Private Pilot Manual

**Chapter 9 Navigation**

1. Given a VFR sectional, explain how you would determine true course?
2. Where do you find variation on a sectional? What do you do with the information?
3. Using your flight computer, if your TAS is 95 KT's, how many minutes will it take you to fly 80 NM?
4. How do you convert true heading to magnetic heading?
5. What are the fuel reserve requirements for night cross country flights?
6. You filed for a departure time of 1200z. However, you ran behind schedule and did not begin your preflight until 1300z and finally started engines at 1330z. When you called to get clearance for departure, you were told that you did not have a flight plan in the system. Explain what happened?
7. You arrive on schedule (2100z) at Effingham FBO in N4900L. Upon arrival, you request fuel, use the rest room, and proceed to eat Christmas cookies and chat with the FBO attendant. At 2135z, St. Louis FSS called the attendant and asked if N4900L had landed. What prompted St. Louis FSS to call? What did the PIC forget to do?
8. What VFR cruising altitude do you enter in block 7 of your flight plan?\_\_\_\_\_ If you are traveling VFR on a magnetic heading of 090°, what rule would you use when planning your flight level?
9. Name the primary disadvantage of VOR navigation.
10. (bonus) On the bottom of a flight plan, what do the following indicate?  
C –  
R –  
W –