Factor-Label Practice: Alien Version

The following are relationships for measurements from an alien world.

A. 1.00 irg= 2.54 cerf

B. 1.12 minx= 13.9 irg

C. 2.50 puc = 1.00 kwat

D, 1.00 forp = 31.2 cerf

E. 1.00 kip = 1.61 minx

F. 3.50 kwat = 1.00 glob

G. 1.00 gerb = 14.7 cerf

H. 1.75 gerb = 1.00 puc

Using the relationships above, solve the following conversion problems. Use the factor label method. SHOW ALL WORK.

Round to two decimal places.

1. Convert 3.8 forp to cerf.

2. Convert 7.3 puc to kwat.

3. Convert 11.3 glob to kwat

4. Convert 1.38 irg to forp.

5. Convert 0.29 puc to minx.

6. Convert 260 kwat to gerb.

7. Convert 113.3 forp to puc.  
(For the following you might want to convert the numbers to standard notation first.)

8. Convert 3.94 x 1014 irg to cerf.

9. Convert 4.32 X 107 kip to irg.

10. Convert 8.775 x 10-18 glob to puc.

11. Convert 9.11 X 1023 gerb to forp.

12. Convert 7.65 X 10-8 minx to cerf.