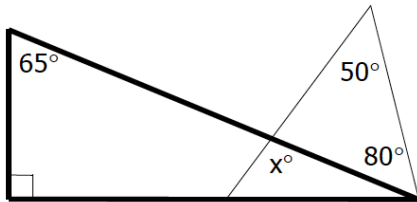


HOMEWORK 18
March 7, 2021

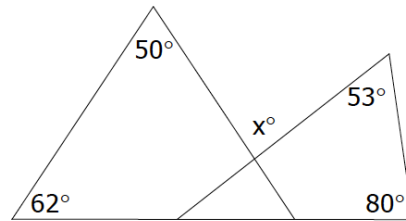
*I would like to remind you that the homework should be done on a separate piece of paper. There is not enough space on this handout to show all work. **You must show all steps!***

1. Find the value of x . Show ALL steps!

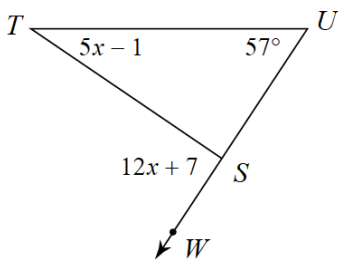
a)



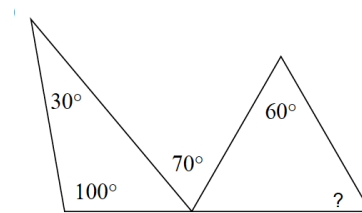
b)



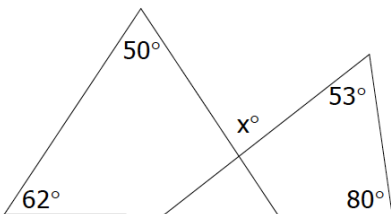
c)



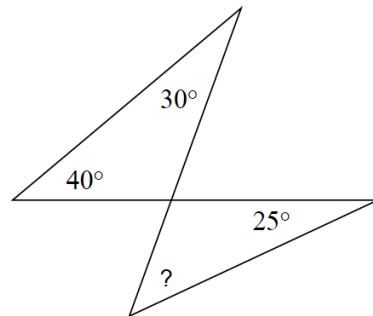
d) Find the missing angle



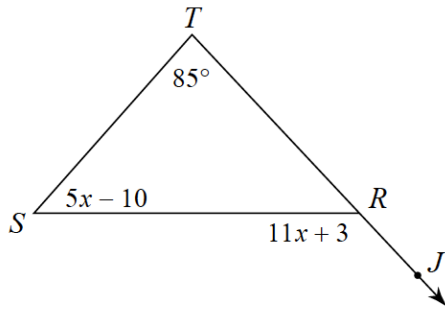
e)



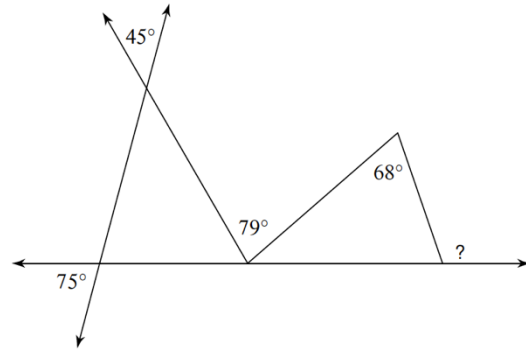
f) Find the missing angle



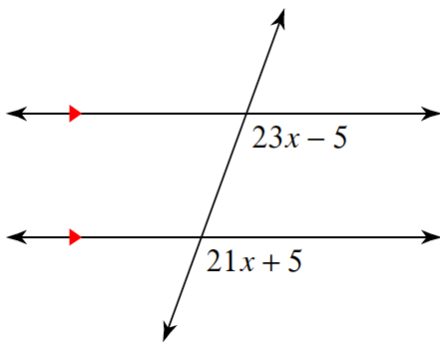
g)



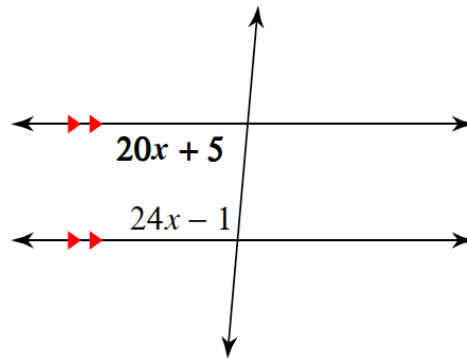
h) Find the missing angle



i)



k)

2. Calculate. **Do not use a calculator!!! Show ALL steps!**

$$\left(\frac{(3.2 - 1.7) \div 0.003}{\left(\frac{29}{35} - \frac{3}{7}\right) \cdot 4 \div 0.2} - \frac{\left(1\frac{13}{20} - 1.5\right) \cdot 1.5}{\left(2.44 + 1\frac{14}{25}\right) \cdot \frac{1}{8}} \right) \div 62\frac{1}{20} + 1.364 \div 0.124 =$$

3. N is a number such that $1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 = 8 \times 9 \times 10 \times N$. What is the value of N ?
4. 2^n means that 2 is used as a factor n times. For example, 2^4 means $2 \times 2 \times 2 \times 2 = 16$. We say that 2^4 ends in 6 and that 2^4 has a unit digit of 6. If 2^{1997} is multiplied out, what is the units digit of the product?