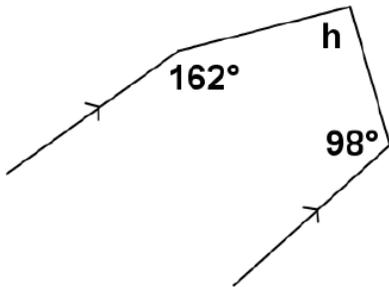


HOMEWORK 19
March 14, 2021

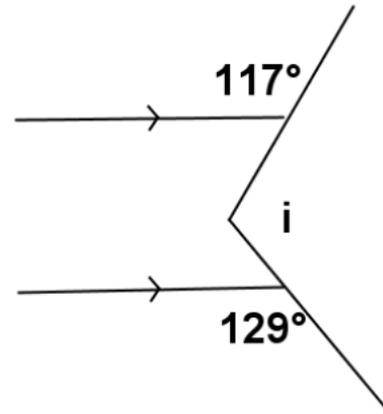
*I would like to remind you that the homework should be done on a separate piece of paper. There is not enough space on this handout to show all work. **You must show all steps!***

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

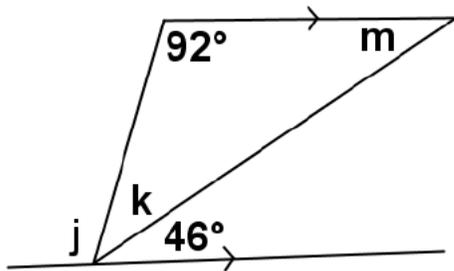
a) Find h .



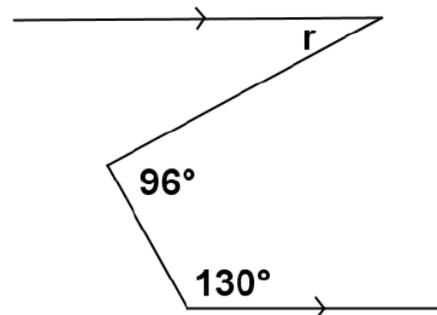
b) Find i .



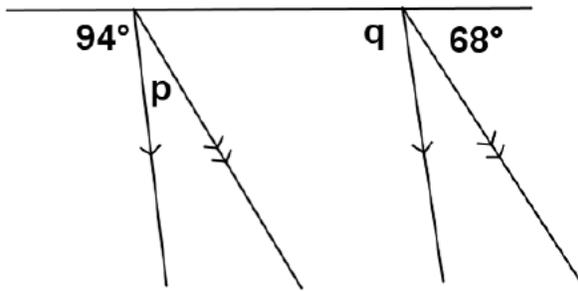
c) Find j , k and m .



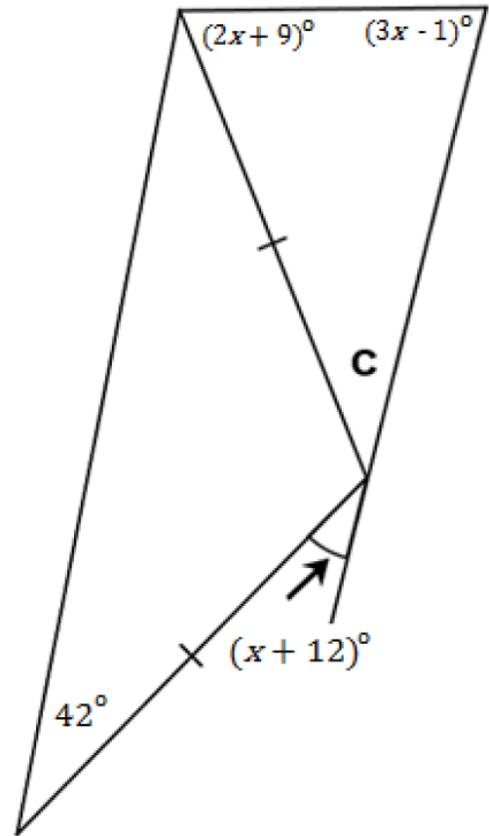
d) Find r .



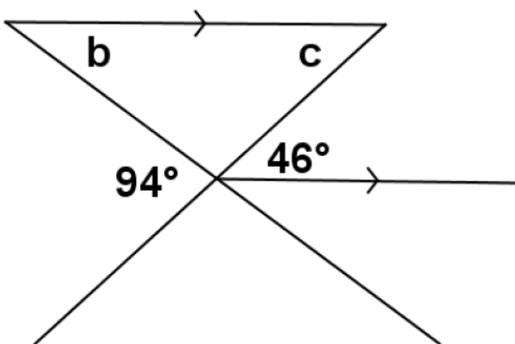
e) Find p .



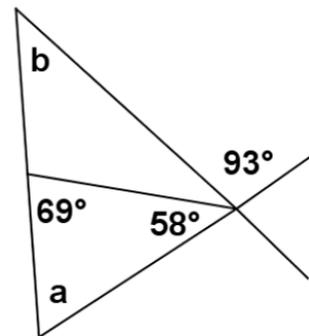
f) Find all missing angles



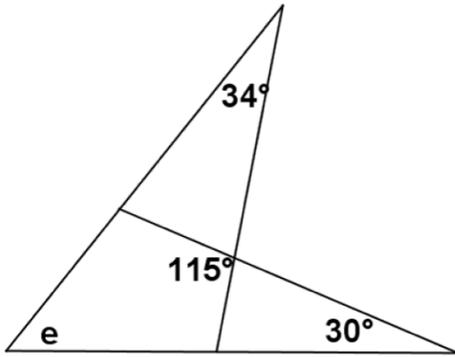
g) Find b and c .



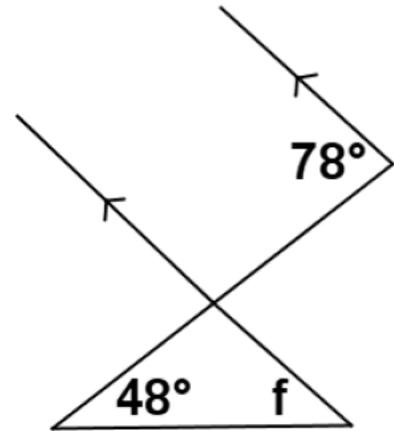
h) Find a and b .



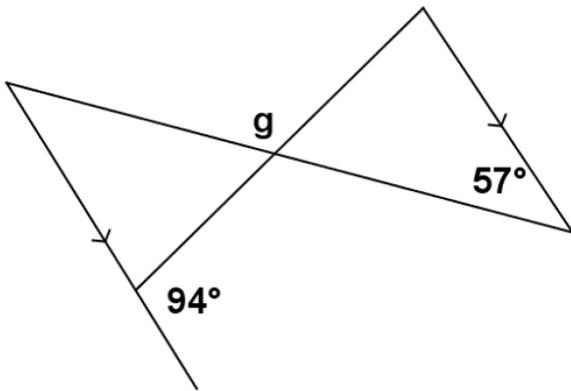
i) Find e.



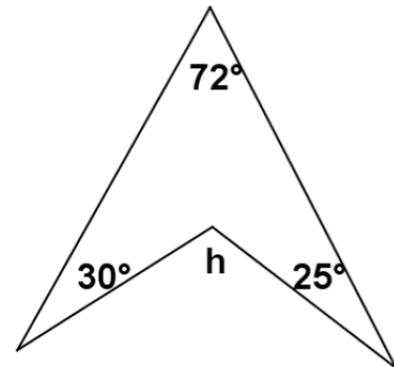
k) Find f.



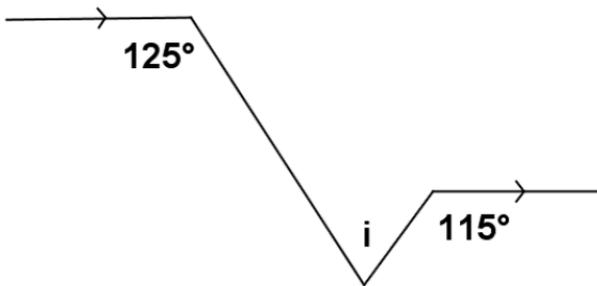
l) Find g.



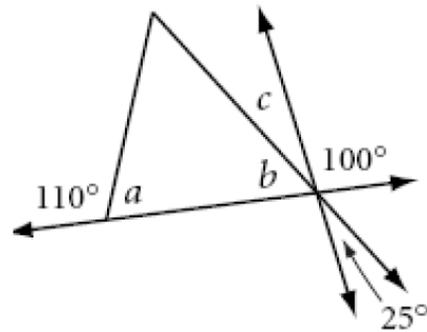
m) Find h.



o) Find i.



p) Find all missing angles



2. Solve for x . **Do not use a calculator!!! Show ALL steps!**

$$\frac{\left(4 - 3.5 \left(2\frac{1}{7} - 1\frac{1}{5}\right)\right) \div 0.16}{x} = \frac{3\frac{2}{7} - \frac{3}{14} \div \frac{1}{6}}{41\frac{23}{84} - 40\frac{49}{60}}$$

3. The average weight of a group of children is 100 pounds. Todd, who weighs 112 pounds, then joins the group. This raises the average weight of the group to 102 pounds. How many children were in the original group?
4. Each of AB and BA represents a two-digit number having the same digits, but in the reverse order. If the difference of two numbers is 54 and $A + B = 10$, find both numbers, AB and BA .