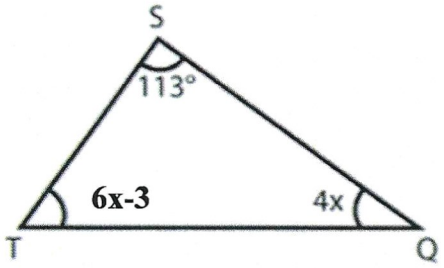
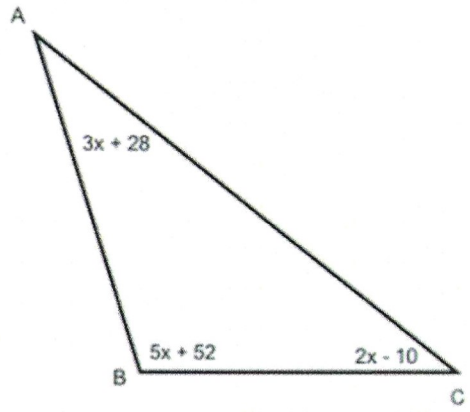
CLUE # 1: Where are they hiding?

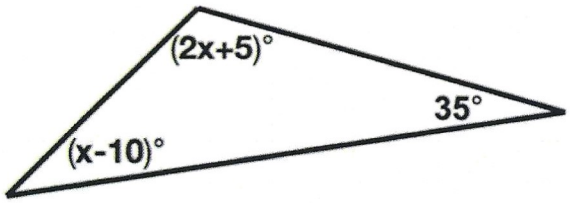
1)



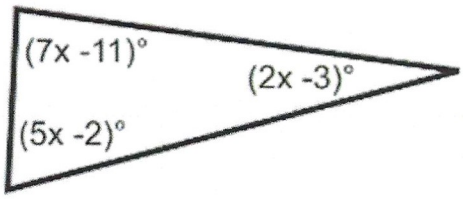
2)



3)

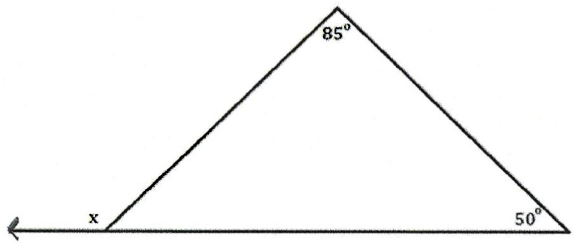


4)

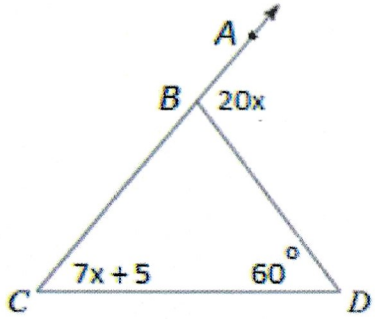


CLUE # 2 Who is solving all of the problems?

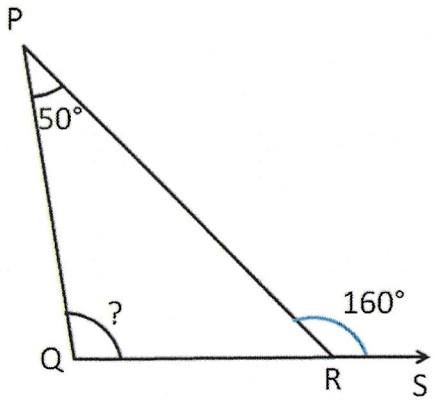
1)



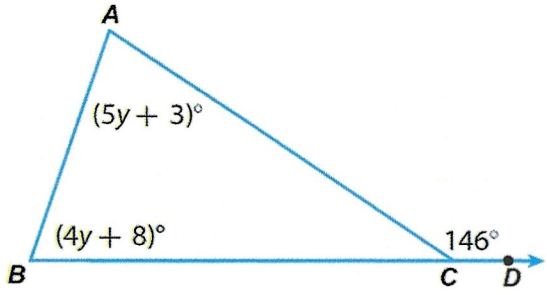
2)



3)

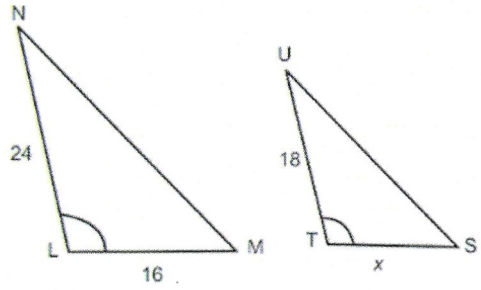


4)

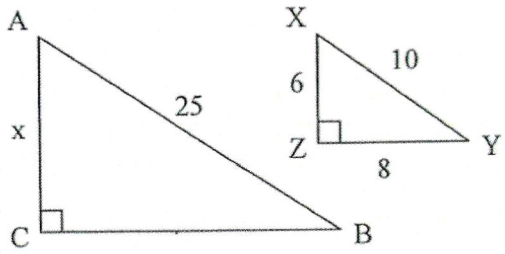


CLUE #3 What are they solving these problems with?

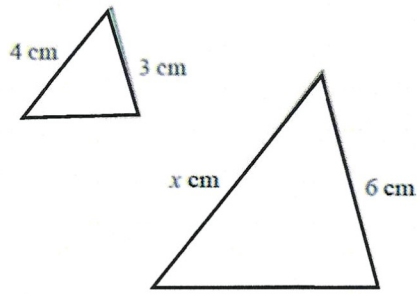
1)



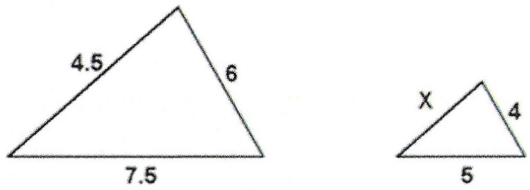
2)



3)

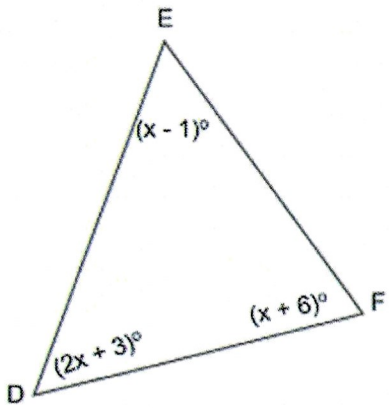


4)

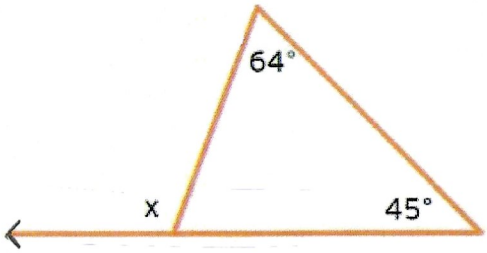


Ticket Questions:

1) Solve for x and then solve for the $m\angle D$



2) Tommy solved the following question below. Did Tommy solve it correctly? If not, what did he do wrong and what is the correct answer?



$$64 + 45 + x = 180$$
$$109 + x = 180$$
$$-109 \quad -109$$
$$x = 71$$

3) A 6-foot man casts a 4-foot shadow, how long of a shadow would a 9- foot tree have? Make sure to draw a diagram!