

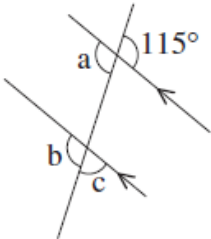
Thursday 26th March – Book 7 Group - Angles in lines and polygons

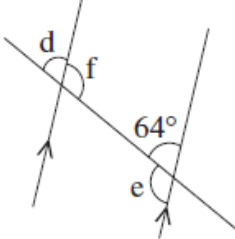
There are 2 sets of challenges here, High, and Higher –

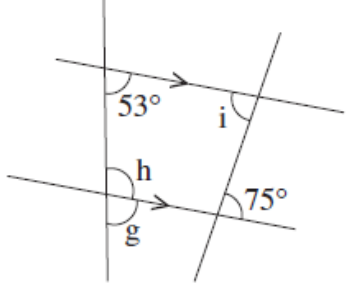
I trust you to choose your own challenge and complete as many as you think you need. I would say at least 10, but you can do more, if you are up for a challenge.

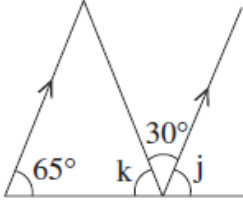
Normal Challenge: These 10 use lots of the skills from yesterday

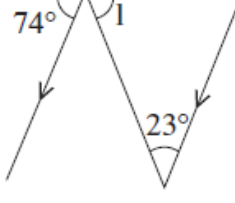
Find the angles marked with letters.

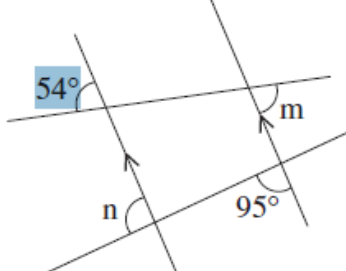
1 

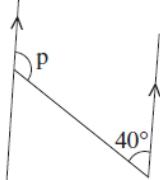
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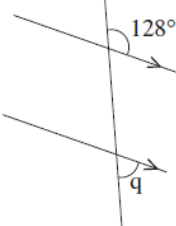
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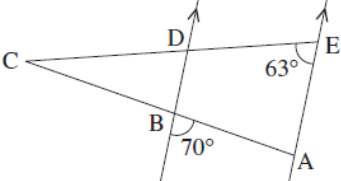
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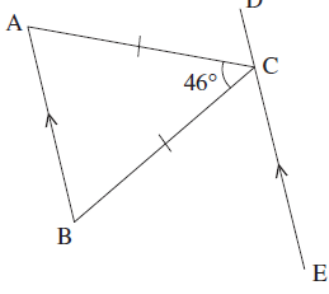
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6 

7 

8 

9 
Find the value of \hat{BCD}

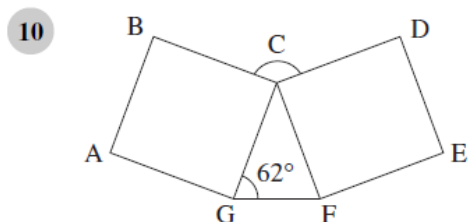
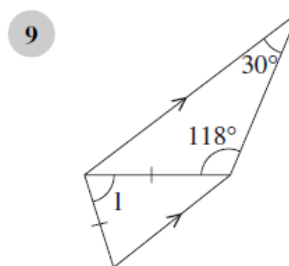
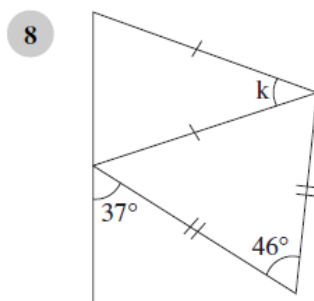
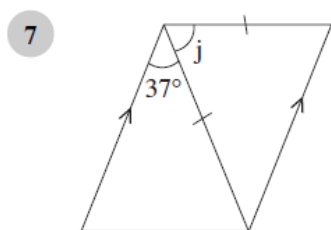
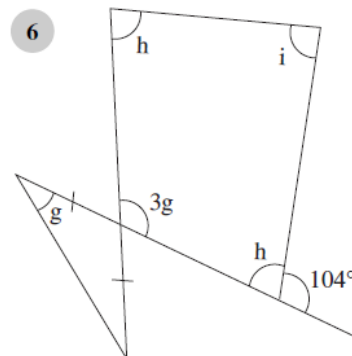
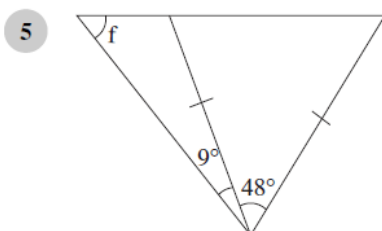
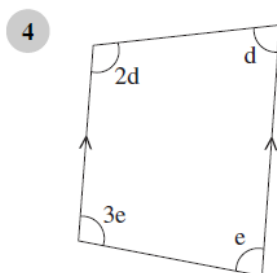
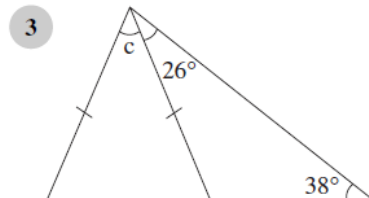
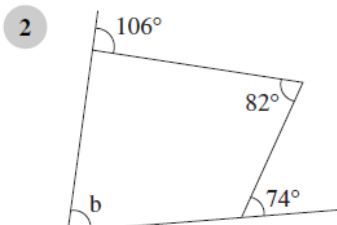
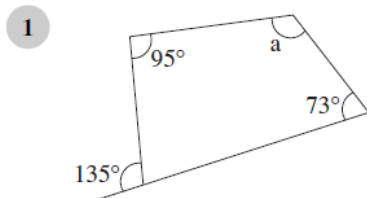
10 
Find the value of \hat{BCE} .

Higher Challenge: These ones might need some extra thought.

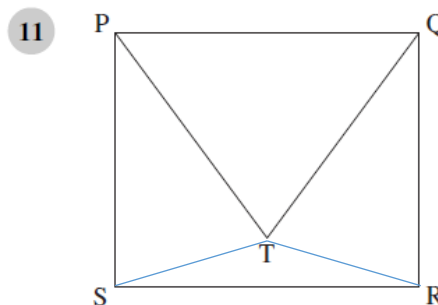
Tip: In questions 10 and 11, when it gives 3 letters, it's the angle of the middle letter you want. E.g STR means find the angle made at T.

QUESTION 11 is a really ULTRA challenge – let me know if you need a clue.

Find the angles marked with letters.



ABCG and CDEF are both squares.
Find the value of \hat{BCD} .



PQT is an equilateral triangle drawn inside the square PQRS. Find the Value of \hat{STR} .