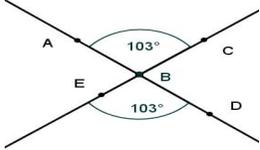
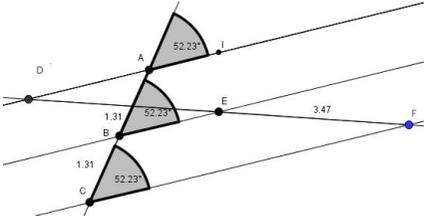
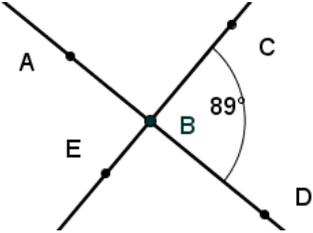
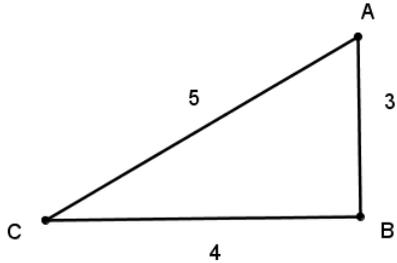
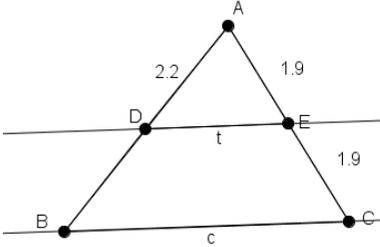
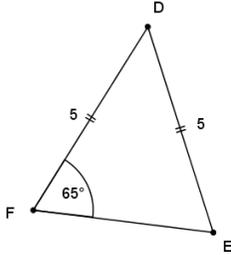
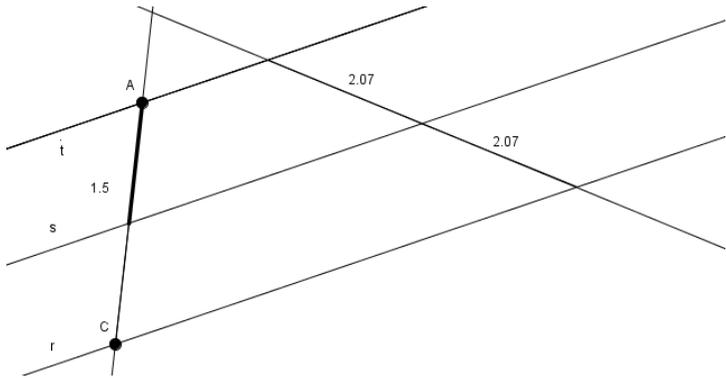
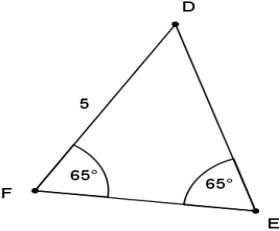
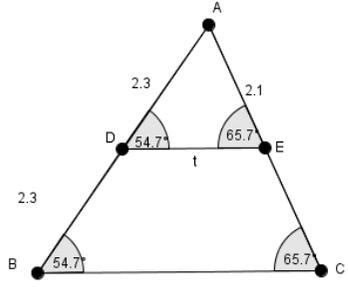


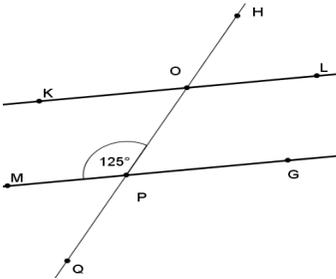
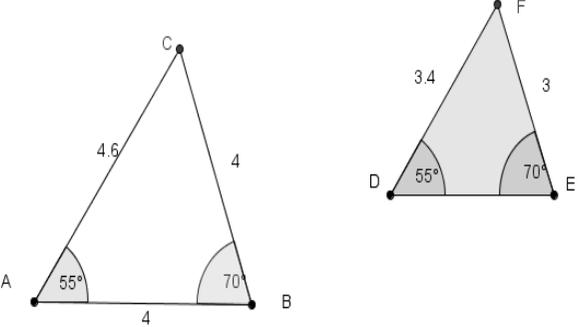
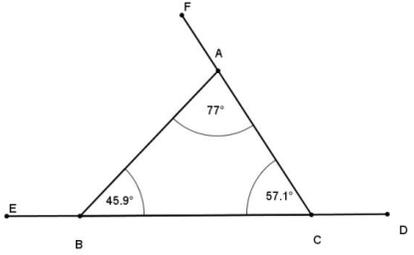
## Putting theorems into your own words Junior Certificate Higher Level

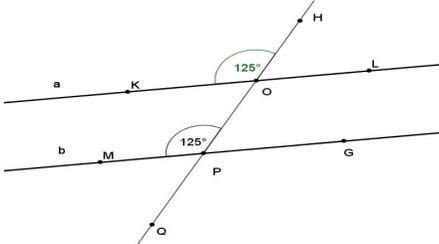
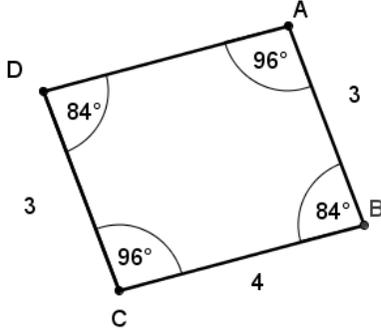
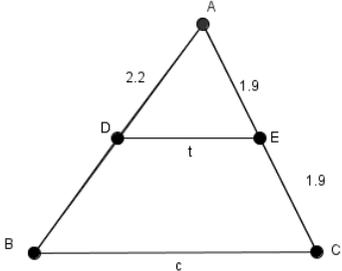
(Note these are not examination style questions, but an aid to enable students to become familiar with the theorems.)

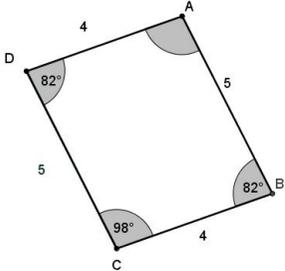
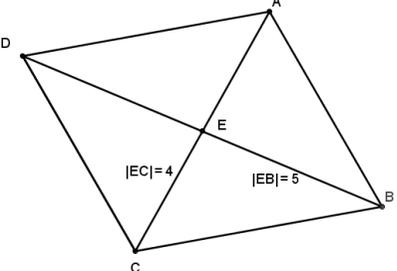
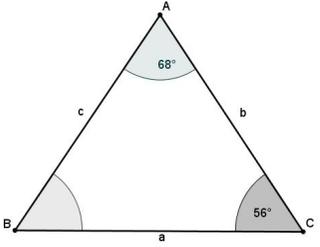
	Question	Write the theorem you used to solve this problem in your own words. Note it is not sufficient to give the number of the theorem.
	<p>Find the value of the angle DBC. Answer:</p>	
	<p>If we know the length of the line segment EF is 3.47, what will be the length of the segment DE? Answer:</p>	
	<p>Find the value of the angle ABC. Answer:</p>	

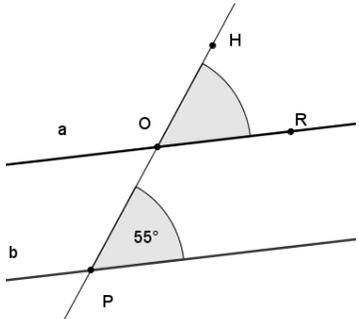
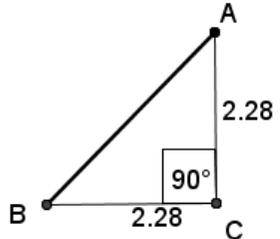
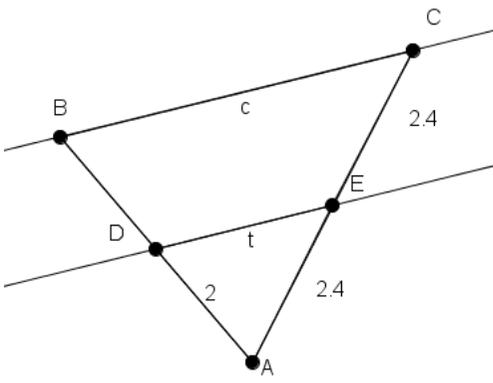
	Question	Write the theorem you used to solve this problem in your own words. <u>Note it is not sufficient to give the number of the theorem.</u>
	<p>Find the value of the angle ABC.            Answer:</p>	
	<p>If lines t and c are parallel, what will be the length of the line segment DB?            Answer:</p>	
	<p>Find the measure of the angle FDE.            Answer:</p>	

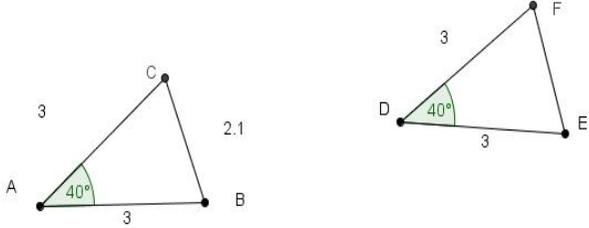
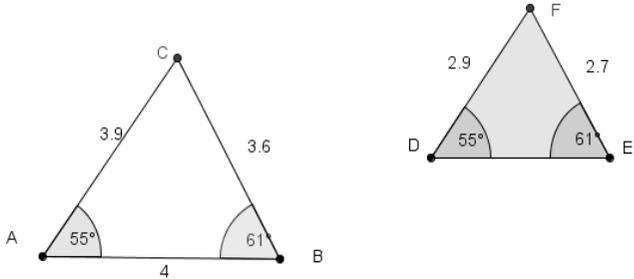
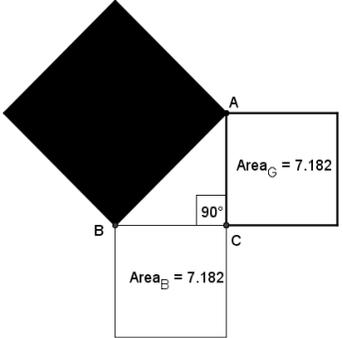
	Question	Write the theorem you used to solve this problem in your own words. <u>Note it is not sufficient to give the number of the theorem.</u>
	<p>Given that the lines t, s and r are parallel, what will be the length of AC?            Answer:</p>	
	<p>Find the length of DE.            Answer:</p>	
	<p>What is the length of the line segment EC?            Answer:</p>	

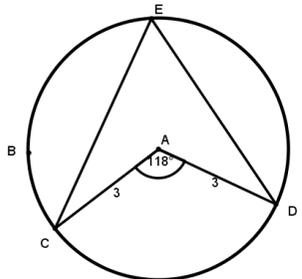
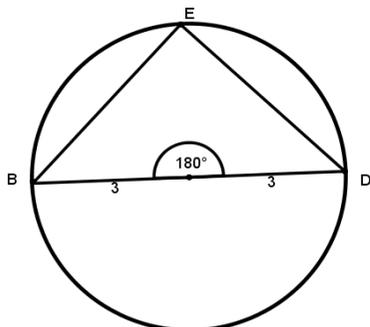
	Question	Write the theorem you used to solve this problem in your own words. <u>Note it is not sufficient to give the number of the theorem.</u>
	<p>Find the measure of the angle LOH.            Answer:</p>	
	<p>Find the length of the line segment DE.            Answer:</p>	
	<p>Find the measure of the angles EBA, BAF and ACD.            Answer:</p>	

	Question	Write the theorem you used to solve this problem in your own words. <u>Note it is not sufficient to give the number of the theorem.</u>
	<p>Determine if the lines a and b are parallel.            Answer:</p>	
	<p>Find the length of the line segment DA.            Answer:</p>	
	<p>Find the length of the line segment DB.            Answer:</p>	

	Question	Write the theorem you used to solve this problem in your own words. <u>Note it is not sufficient to give the number of the theorem.</u>
	<p>Given ABCD is a parallelogram find the angle DAB.            Answer:</p>	
	<p>Given ABCD is a parallelogram, find the length of AE and the length of DE.            Answer:</p>	
	<p>Find the measure of the angle ABC.            Answer:</p>	

	Question	Write the theorem you used to solve this problem in your own words. <u>Note it is not sufficient to give the number of the theorem.</u>
	<p>Given the lines a and b are parallel, find the measure of the angle HOR.            Answer:</p>	
	<p>Find the length of the line segment AB.            Answer:</p>	
	<p>Given that the lines t and c are parallel, find the length of the segment BD.            Answer:</p>	

	Question	Write the theorem you used to solve this problem in your own words. <u>Note it is not sufficient to give the number of the theorem.</u>
	<p>Find the length of the line segment FE.            Answer:</p>	
	<p>Find the length of the line segment DE.            Answer:</p>	
	<p>Given the areas of the squares B and G are <math>7.128 \text{ cm}^2</math>. Find the area of the shaded square.            Answer:</p>	

	Question	Write the theorem you used to solve this problem in your own words. <u>Note it is not sufficient to give the number of the theorem.</u>
	<p>Find the angle CED.          (Higher Level only.)          Answer:</p>	
	<p>Find the angle BED.          (Higher Level only)          Answer:</p>	