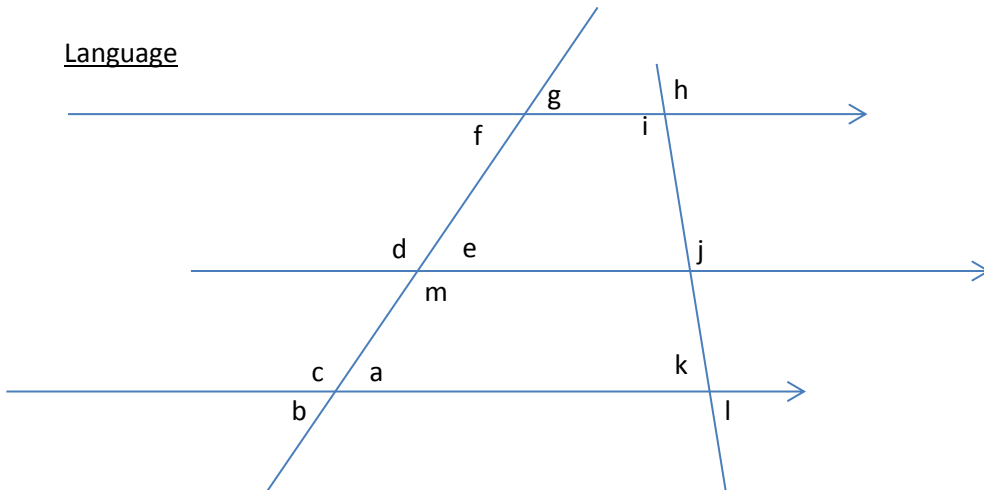


Geometry Review

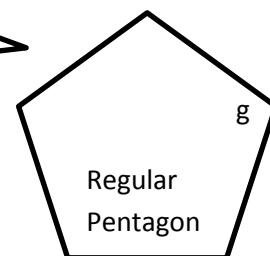
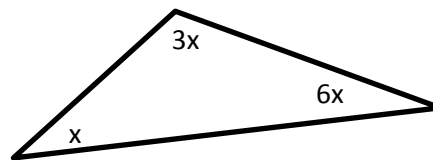
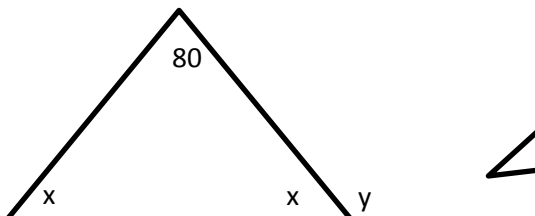
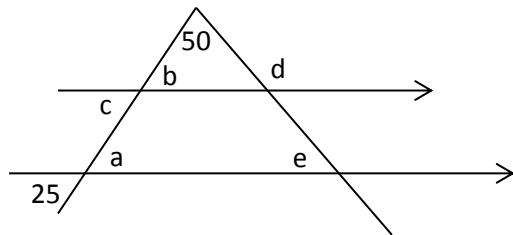
Language



Copy and complete this:

Which angles correspond with a?	Which angle(s) correspond with c?	Which angle(s) are alternate with c?
Which angle is vertically opposite b?	Which angle(s) is l equal to?	Write down what $m + a$ equals, stating a reason.
If $a = 30$ and $j = 120$, what do all the other angles equal?		

Find the lettered angles in the following problems, explaining your reasoning carefully:



Word Problems

A right angles triangle has one angle equal to 50° . What are the other two angles?

A scalene triangle has three angles in the ratio 1: 2: 6. What are the three angles?

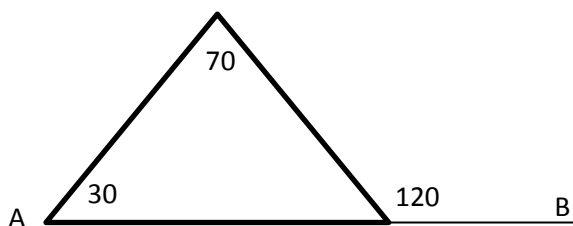
A isosceles triangle has one angle equal to 30° . What could the other two angles be equal to?

What do the exterior angles of any regular polygon add up to?

What is the size of one exterior angle of a regular hexagon?

The exterior angle of a regular polygon is 10° . How many sides does the polygon have?

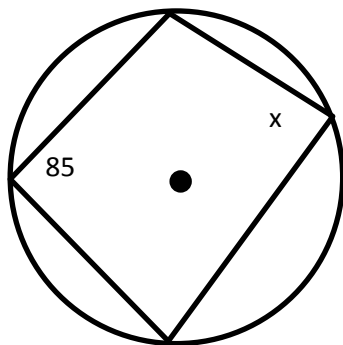
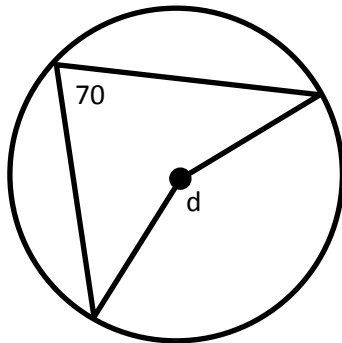
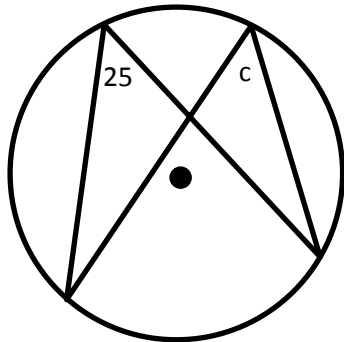
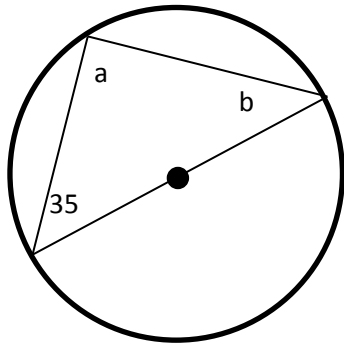
What does the interior angle of a regular pentagon equal?



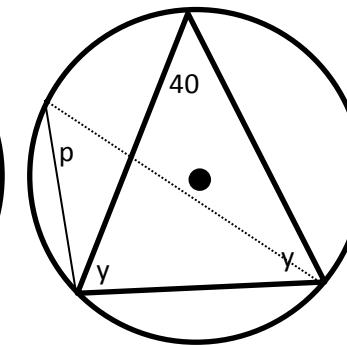
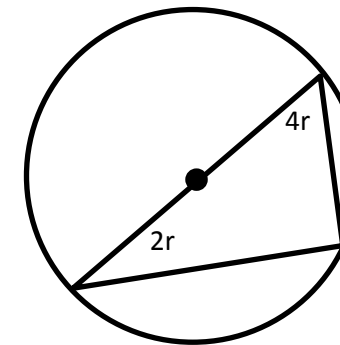
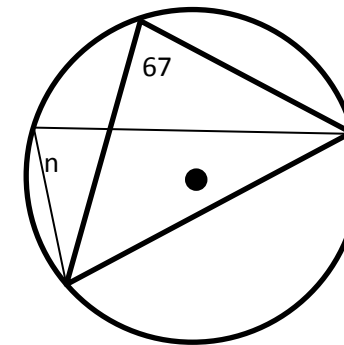
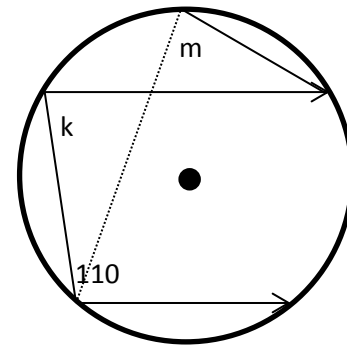
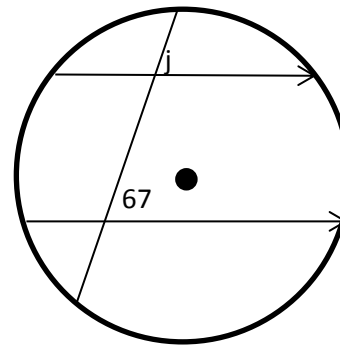
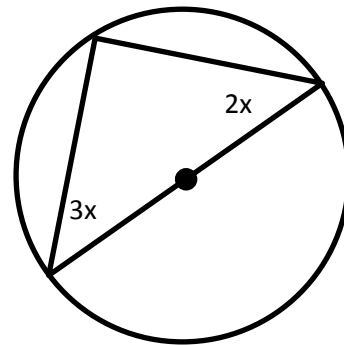
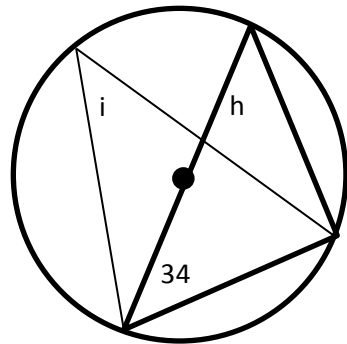
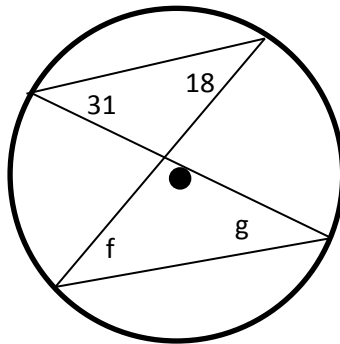
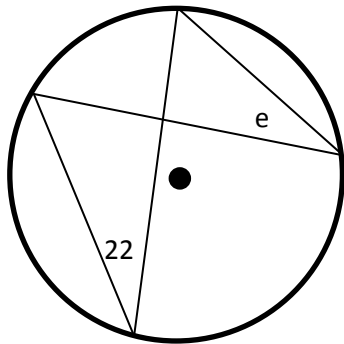
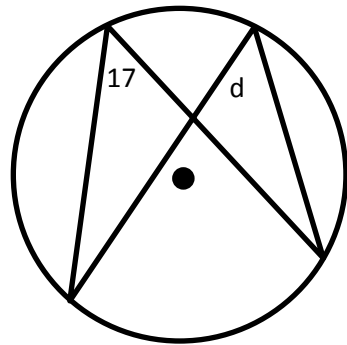
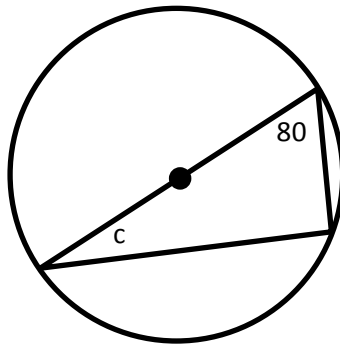
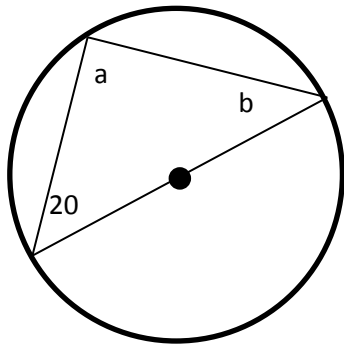
The diagram is not drawn to scale

Is A to C a straight line – explain your reasoning carefully

Circle theorems – main examples



Geometry and Circle Theorems: part 1



Geometry and circle theorems: part 2

