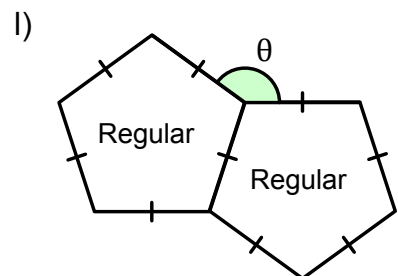
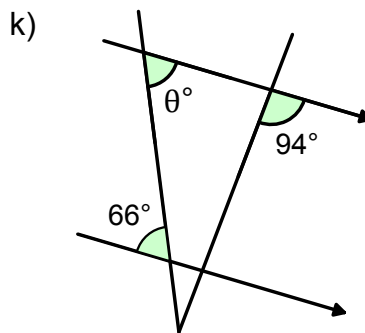
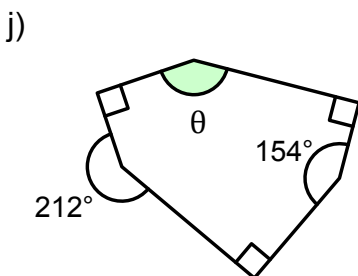
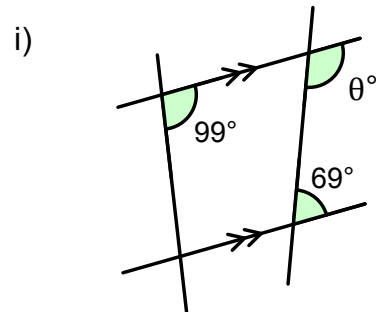
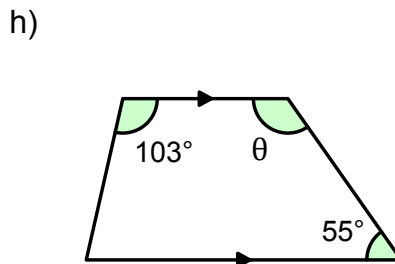
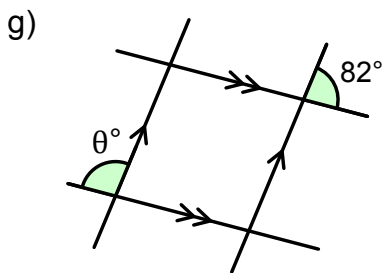
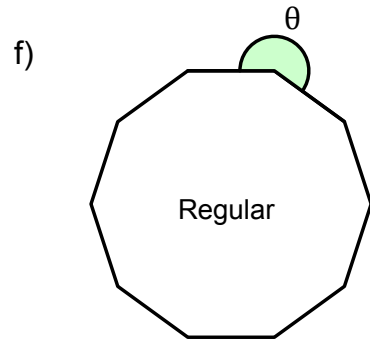
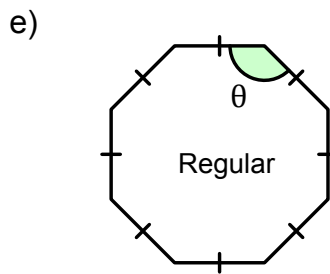
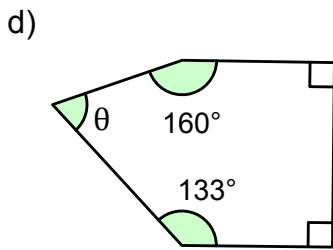
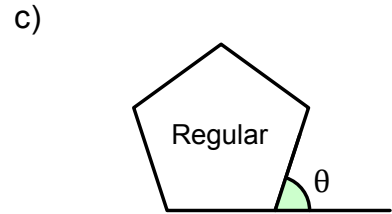
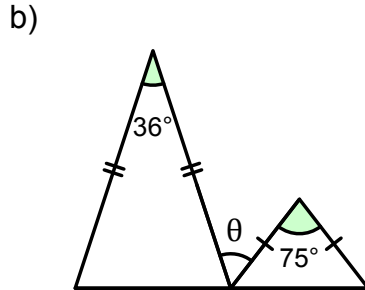
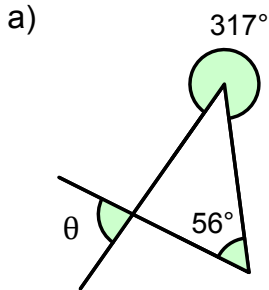


chapter review

exercise 5s

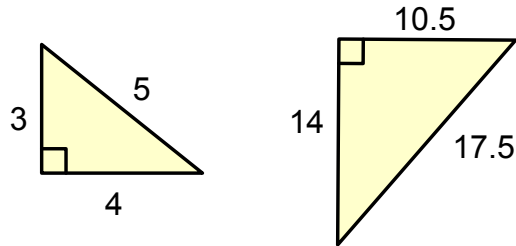
1. Work out θ in each diagram:



2. What is the name of a shape with:
- a) 6 sides b) 8 sides c) 9 sides

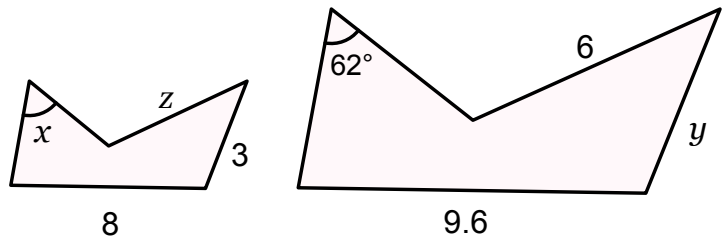
3. What is a **regular** polygon?
4. What do the **exterior** angles in a regular octagon add up to?
5. What is the size of **each exterior** angle in a regular octagon?

6. Show that these two triangles are mathematically similar:

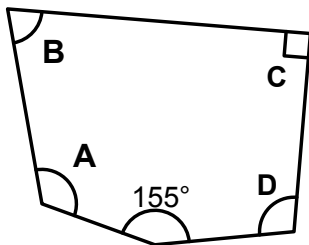


7. The exterior angle of a regular polygon is 12° .
How many sides does it have?
8. The interior angles of a polygon add up to 6840° .
How many sides does it have?

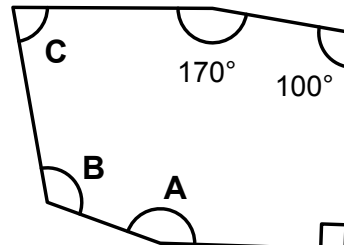
9. These two shapes are similar.
Work out the values of x , y and z .



10. The ratio of angle **A** : **B** : **C** is 8 : 5 : 6
Work out angle **D**.



11. The ratio of angle **A** : **B** : **C** is 4 : 3 : 2
Work out angle **A**.



12. The interior and exterior angles of a regular polygon are in the ratio 9:1
How many sides does the polygon have?