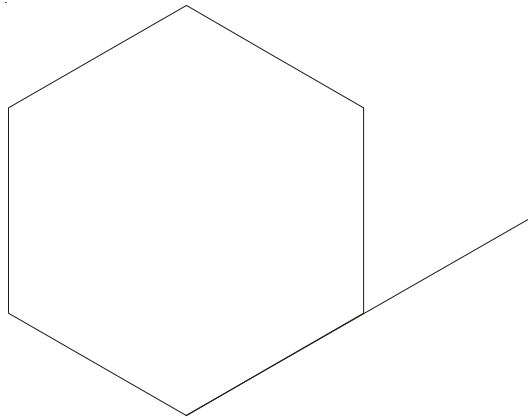


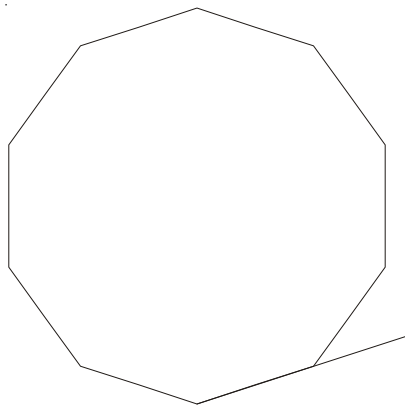
Angle Sum of Polygons

1)



- a) Work out the size of an **exterior** angle of a regular hexagon.
- b) Work out the size of an **interior** angle of a regular hexagon.

2)



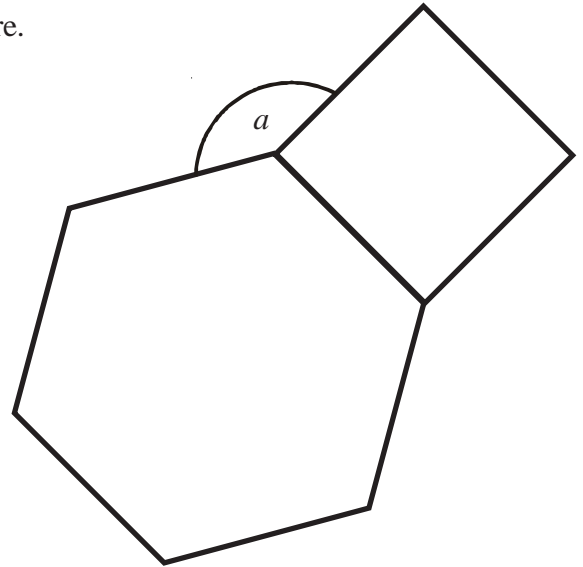
- a) Name the regular polygon, above.
- b) Work out the size of an **exterior** angle and of an **interior** angle for this polygon.

- 3) The size of each **exterior** angle of a regular polygon is 40° .
Work out the number of sides of the regular polygon.
- 4) The size of each **interior** angle of a regular polygon is 120° .
Work out the number of sides of the regular polygon.

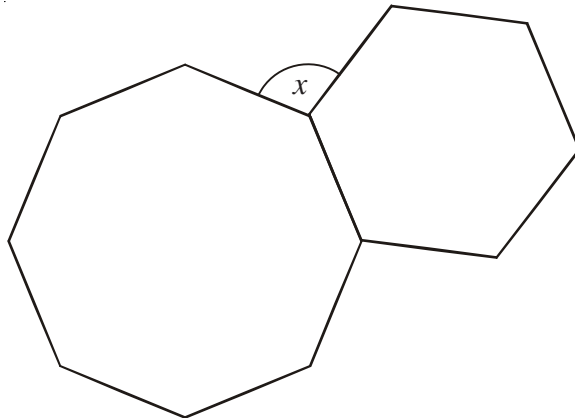


- 1) The diagram shows a regular hexagon and a square.

Calculate the size of the angle a .



- 2)



The diagram shows a regular octagon and a regular hexagon.

Work out the size of angle x .



- 3) $ABCDE$ and $PQRSE$ are regular pentagons.

AES is an equilateral triangle.

Work out the size of angle DEP .

