Date : ----------------------

Name : ----------------------

Mathematics

Y 7/ A/B/C

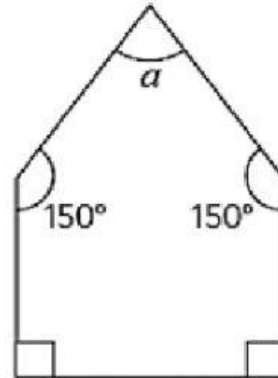Cambridge
Secondary 1

Angles Revision

Q1- The diagram shows a pentagon.

Not drawn
accurately

150°   150°

a

All sides have the same length.

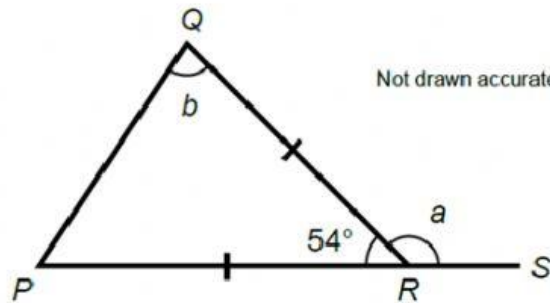a) Find the sum of angles of the shape by splitting the shape.

°

b) Calculate the size of angle a.

a=   °

Q2- PQR is a triangle.

PS is a straight line.

Q

b

Not drawn accurately

54°

a

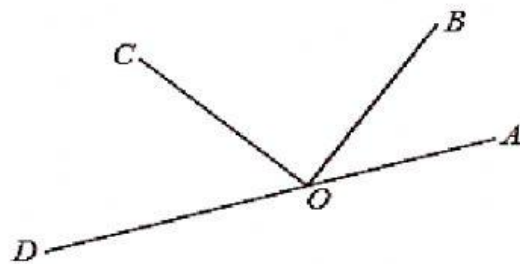P   R   S

a) Calculate the size of angle b

b=   °

b) Calculate the size of angle a

a=   °

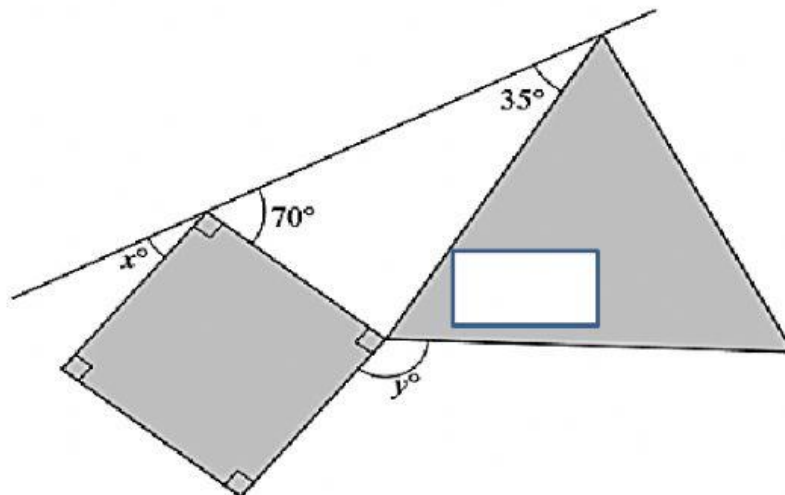Q3- This diagram shows three angles on line AD.

NOT TO SCALE

Angle $AOB = 40°$.
Angle BOC is a right angle.

Work out the size of angle COD.

Angle $COD = $ ⬚ °

Q4- The diagram shows a shaded equilateral triangle and a shaded square touching a straight line.

35°

70°

$x°$

$y°$

NOT TO SCALE

Work out the size of angle x and angle y.

$x = $ ⬚ °

$y = $ ⬚ °