

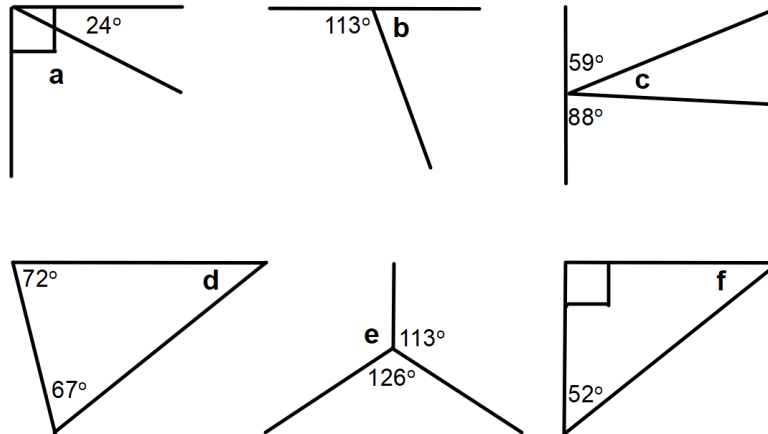
## S2 Homework 16

No calculator allowed!!!

- 1)  $-11 + 5$       2)  $-10 - 13$       3)  $-10 + 13$       4)  $10 - 13$

Revision of S1 work

- 5) Calculate the size of the angles marked **a** – **f** in the diagrams below.

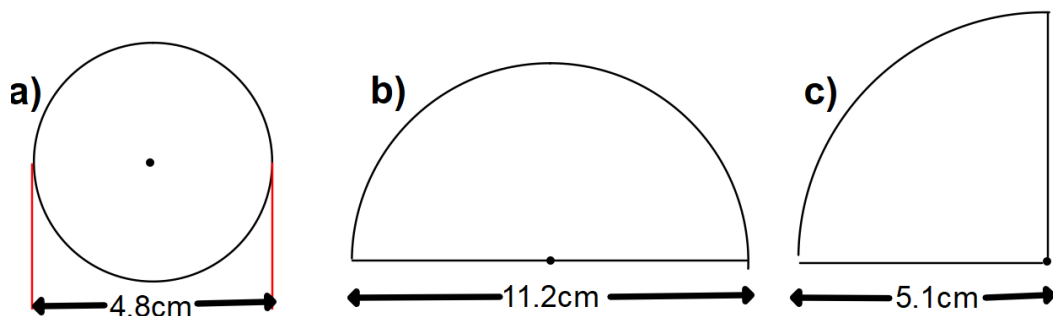


S2 work

- 6) Multiply out the brackets and simplify: -

- a)  $4(2x + 3) + 3x + 4$   
 b)  $5(3x + 2) - 4x - 5$   
 c)  $2(3x + 4) + 3(2x - 1)$   
 d)  $2(3x + 4) + 3(2x + 3) + 4(3x - 5)$

- 7) Calculate the area of these shapes. Round your answers to one decimal place.



### UK Junior Maths Challenge Question

The difference between  $\frac{1}{3}$  of a certain number and  $\frac{1}{4}$  of the same number is 3. What is that number?

A 24

B 36

C 48

D 60

E 72