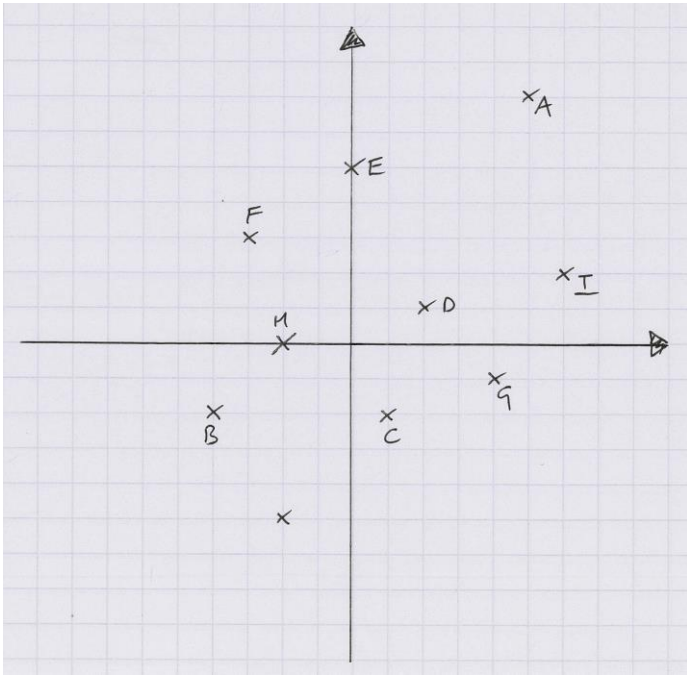
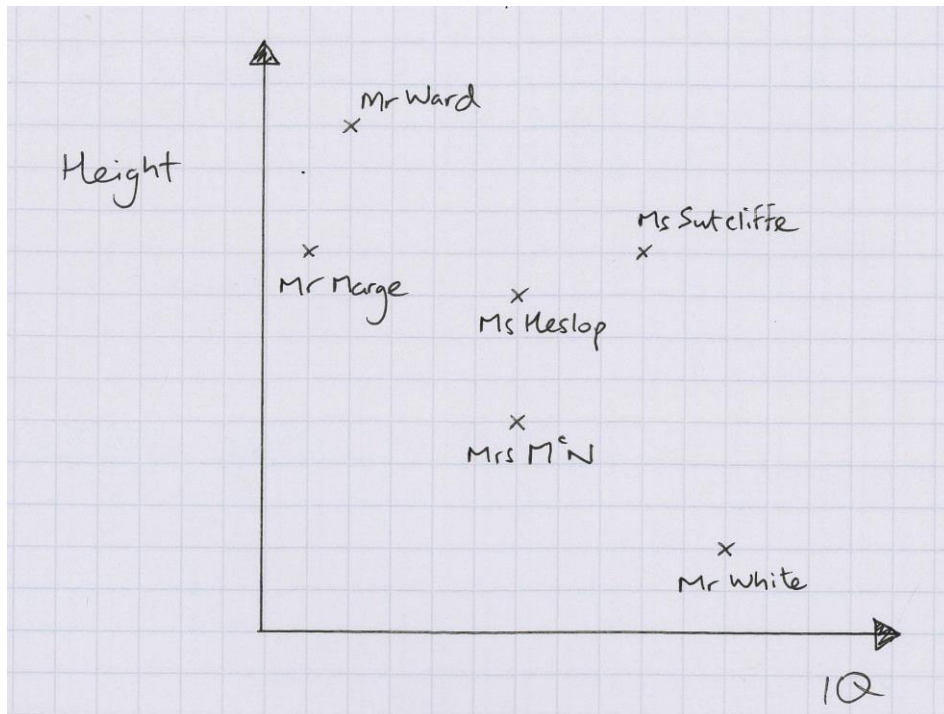


Graphs

1) Write down these coordinates

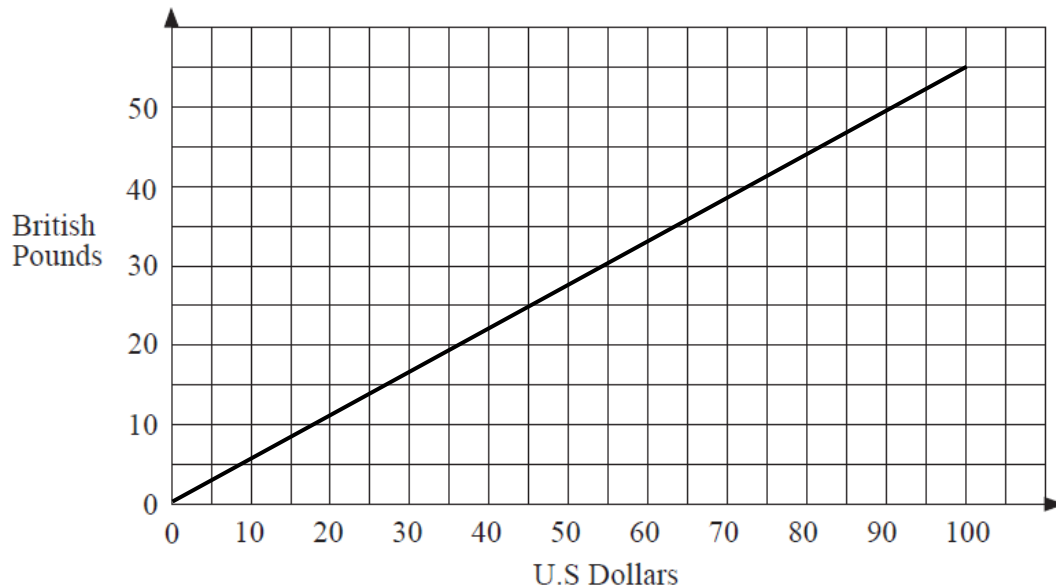


2) The height and IQ of 6 teachers were measured and the following graph was plotted



- Who is the tallest teacher?
- Which teacher has the lowest IQ?
- Which two teachers are the same height?
- Which two teachers have the same IQ?

- 3) Plot the coordinates (1,1), (4,1) and (1,3). Find the 4th coordinate to form a rectangle.
- 4) Plot the coordinates (-2,3) (-5,4) (-4,7). Find the 4th coordinate to form a square.
- 5) The following points are connected in order (2,-2) (4,-1) (6,-2). A fourth point can be added to form a kite. Write down the coordinates of this point
- 6) The following graph converts between £ and \$US.



Use your graph to convert the following amounts

- a) £10 b) \$60 c) £45 d) \$90

7) £1 = \$4.5 Canadian. Plot a conversion graph between £ and \$Canadian. Use it to convert the following amounts:

- a) £8 b) \$27C c) \$11C

Ans

1a) (5,7) b) (-4,-2) c) (1,-2) d) (2,1) e) (0,5) f) (-3,3) g) (4,-1) h) (-2,0) i) (6,2)

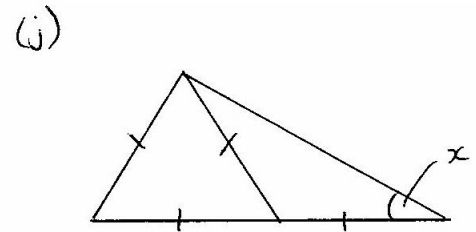
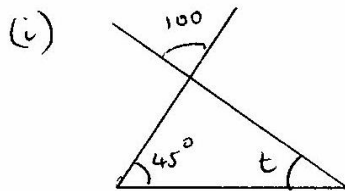
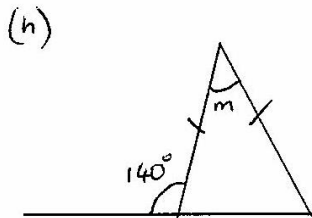
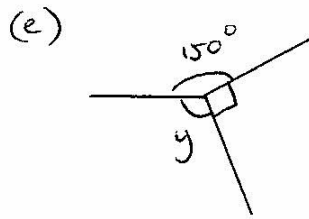
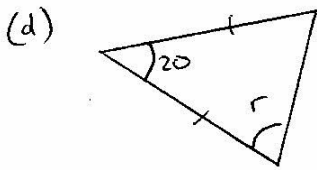
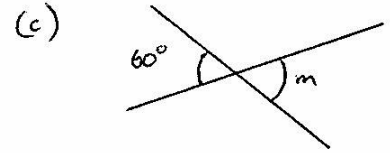
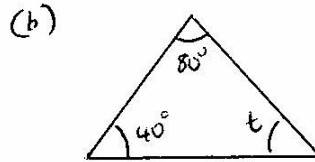
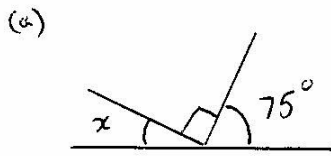
2a) Mr Ward b) Mr Marge c) Ms Heslop + Mrs McN

d) Ms Sutcliffe + Mr Marge 3) (4,3) 4) (-1,6) 5) lots of answers check with me 6a) \$18

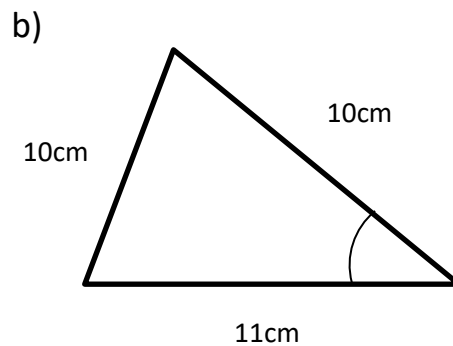
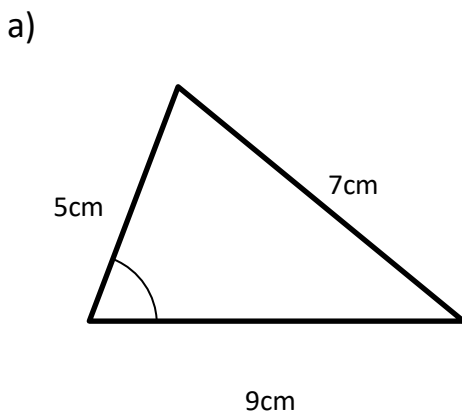
b) £33 c) \$82 d) £49 7a) \$36 b) £6 c) £2.40-£2.50

Angles

1) Find each missing angle giving a reason for each

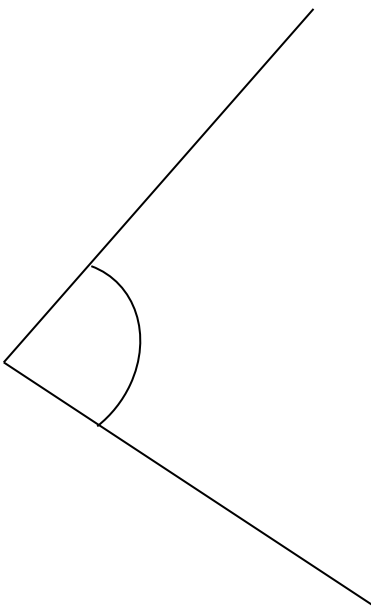


2) Construct the following triangles using compass, ruler and protractor and then measure the angle marked

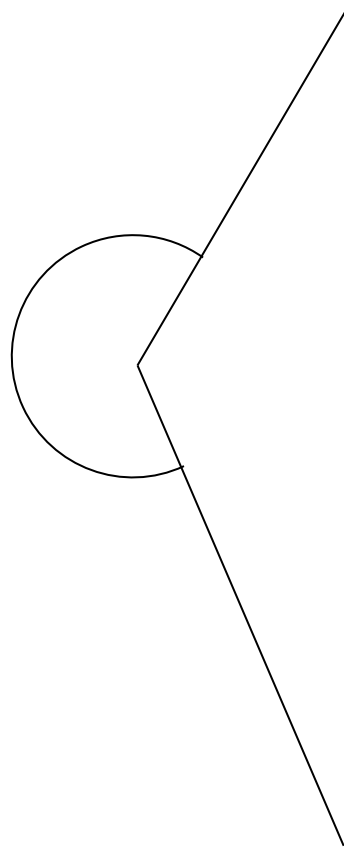


- 3) I am facing East and turn 90° clockwise, where am I now facing?
- 4) I am facing Northwest and turn 135° anticlockwise, where am I now facing?
- 5) Measure the following angles as accurately as you can

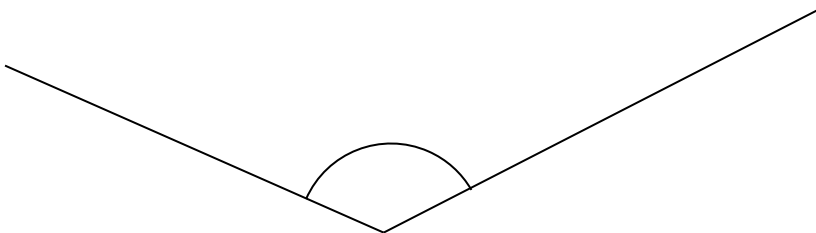
a)



b)



c)



Ans – for Question 2 and 5, aim to be only 1 or 2 degrees away at most.

1a) 15(straight line) b) $60(180$ in triangle) c) 60 (opposite) d) 80 (isosceles)

e) $120(360$ around point) h) 100 (straight line, isosceles) i) 35 (opposite, 180 in triangle)

j) 30 (equilateral, straight line, isosceles) 2a) 51 b) 57 3) South 4) South

5a) 82 b) 234 c) 129