Mixed Exercise 4

Exercise A

Solve the following simultaneous equations.

1. $2x + 5y = 24$ $4x + 3y = 20$	2. $5x + 2y = 13$ $2x + 6y = 26$	3. $3x + y = 11$ $9x + 2y = 28$
4. $3x + 2y = 11$ $2x - y = -3$	5. $x - 2y = -4$ $3x + y = 9$	6. $3a - b = 9$ $2a + 2b = 14$
7. $3x + 2y = 7$ $2x - 3y = -4$	8. $5x - 7y = 27$ $3x - 4y = 16$	9. $5x + 3y = 23$ $2x + 4y = 12$

Exercise B

1.

A television addict can buy either two televisions and three video-recorders for £1750 or four televisions and one video-recorder for £1250. Find the cost of one of each.

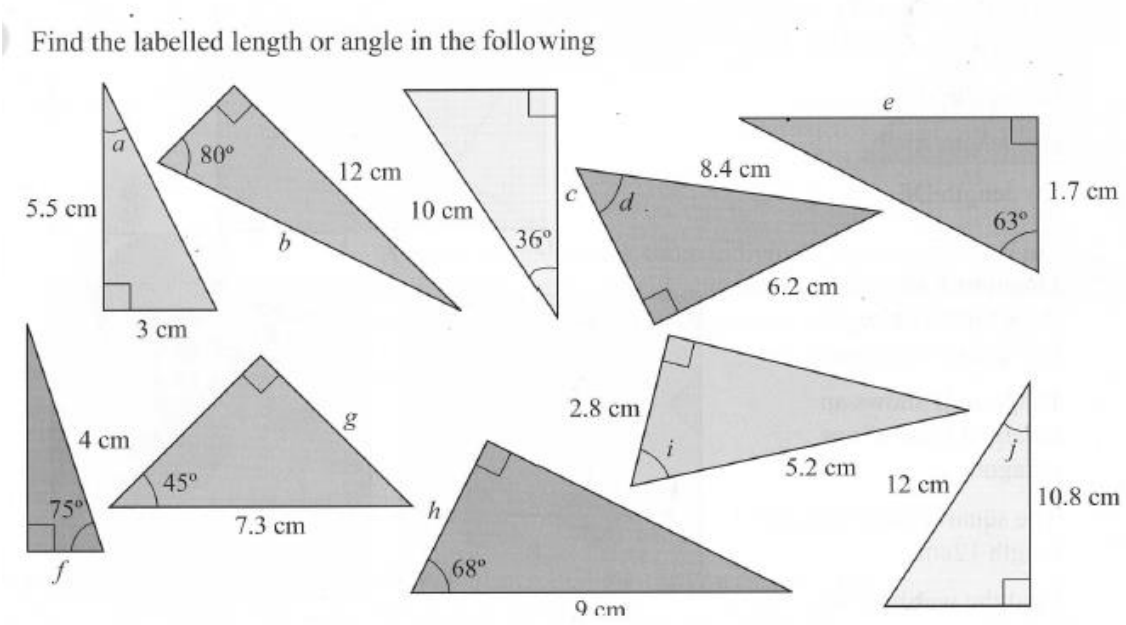
2.

A bag contains forty coins, all of them either 2p or 5p coins. If the value of the money in the bag is £1·55, find the number of each kind.

Exercise C

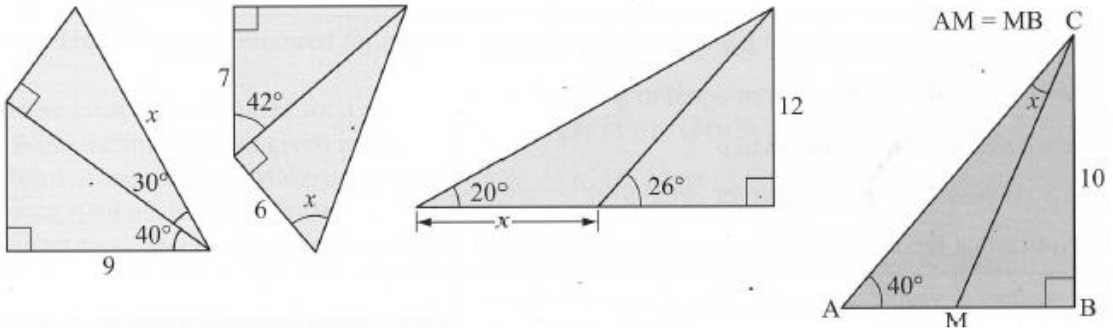
1.

Find the labelled length or angle in the following



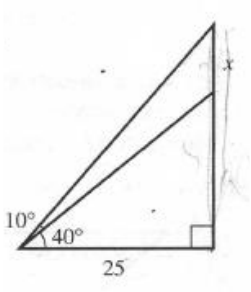
2.

Find x. All lengths are in cm.

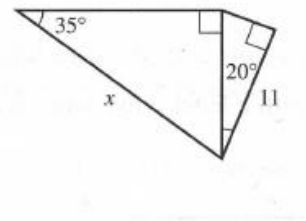


3.

a)



b)



c)