Foundation Homework 35 : Probability

1. In a bag of counters, there are 6 pink, 3 red and 2 blue.

Write down the probability of selecting:

(i) Pink .....

(ii) Not blue .....

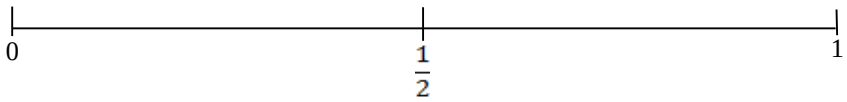
(iii) Pink or red .....

(3 marks)

---

2. On the probability scale below, mark with an X

The probability of rolling a **seven** on a standard six sided dice.



(1 mark)

---

3. The table below shows the probabilities of choosing a counter from a bag.

Red	Blue	Green	Orange
0.24	x	0.16	0.4

Work out the value of x.

x =.....

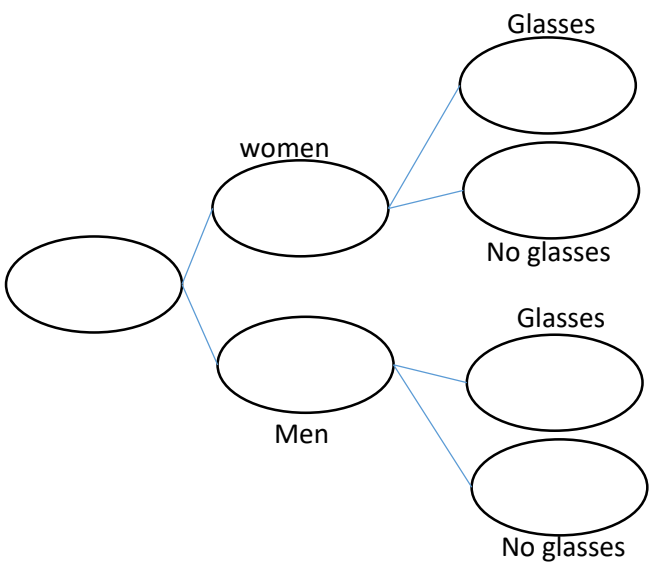
(1 mark)

---

4. There are 35 workers in an office.

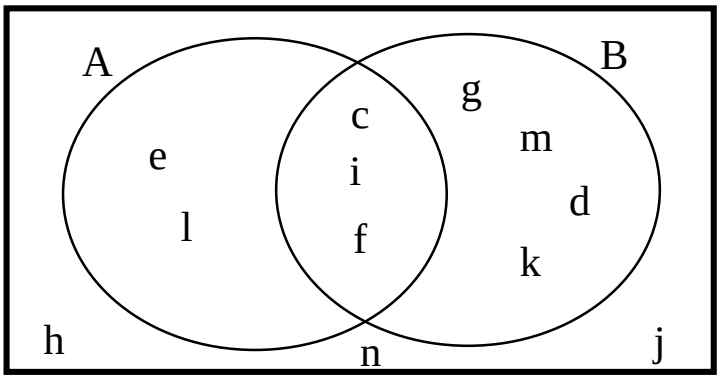
19 of the members were women
Half of the mem wear glasses.
5 of the women wear glasses.

(a) Complete the frequency tree.



(2 marks)

5. Below is Venn diagram showing some data.



Write down the probability of selecting:

(i) A .....

(ii) $A \cap B$ .....

(iii) B' .....

(3 marks)

---

6. Gabe is going to roll 1 fair six sided dice and flip a fair coin.
He has started to complete the sample space diagram.

(a) Complete the table

+	1	2	3	4	5	6
H			3H			
T						

(b) Calculate the probability of getting at least a 5 on the dice.

.....

(3 marks)

Score =