

DO NOT WRITE IN THIS AREA

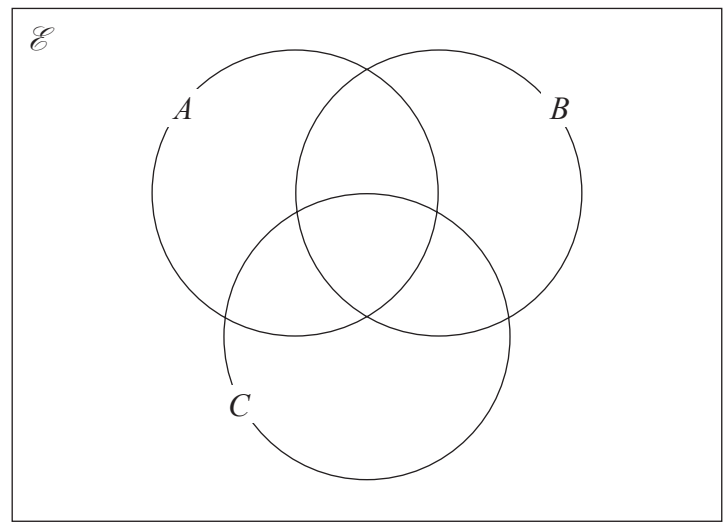
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- 20  $\mathcal{E} = \{\text{even numbers between 1 and 25}\}$   
 $A = \{2, 8, 10, 14\}$   
 $B = \{6, 8, 20\}$   
 $C = \{8, 18, 20, 22\}$

(a) Complete the Venn diagram for this information.



(4)

A number is chosen at random from  $\mathcal{E}$ .

(b) Find the probability that the number is a member of  $A \cap B$ .

.....  
(2)

(Total for Question 20 is 6 marks)

