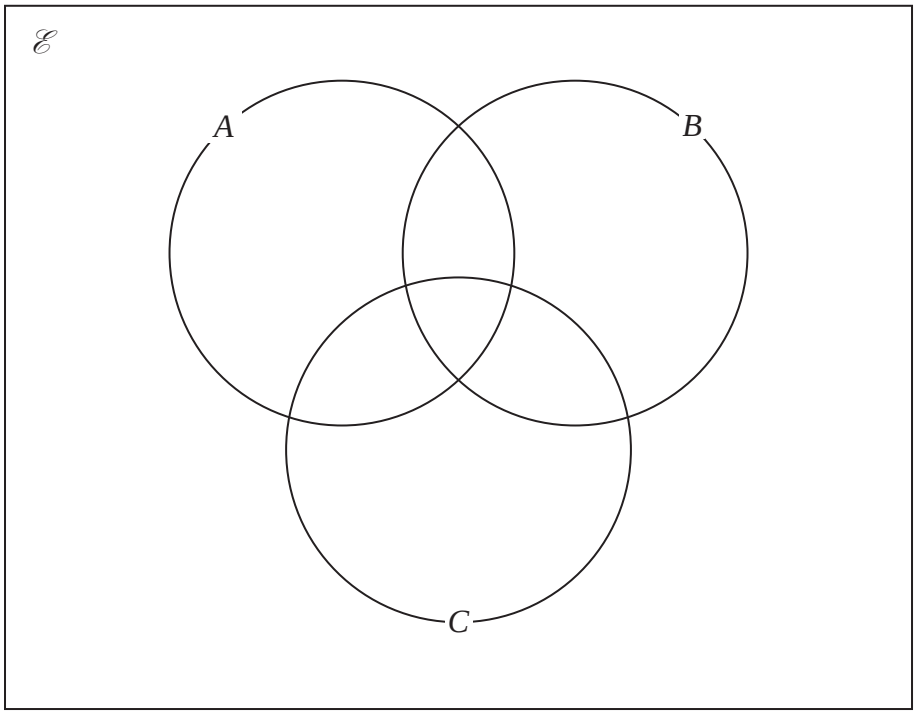
1 A shop manager wants to advertise special offers on social media platforms.

The manager asks 100 customers which of type *A*, type *B* or type *C* they use.

Of these customers,

4 use all three types
16 do not use any of type *A*, type *B* or type *C*
8 use both type *A* and type *B*, but not type *C*
14 use both type *B* and type *C*
62 in total use type *A*
all 20 who use type *C* also use at least one of type *A* and type *B*.

(a) Complete the Venn diagram for this information.



(4)

One of the customers is chosen at random.

Given that this customer uses type *A*,

(b) find the probability that this customer also uses type *B*.

.....

(2)

(Total for Question 1 is 6 marks)