**<EFOFEX>
id:fxd{c678d9d5-b93c-47d9-8ef7-0fe57211d09b}
FXGP:DP-4D43FLW
FXData:
</EFOFEX>Summary:**

<EFOFEX>
id:fxe{33389c62-1599-4d0f-ae55-e1703d15f98a}
FXGP:DP-4D43FLW
FXData:

</EFOFEX> variations. 2 Circle Venn diagrams. Probability and conditional probability.

**Question:**

Given that <EFOFEX>
id:fxe{b79e8f3a-10c0-4c6e-86a2-d968437133e4}
FXGP:DP-4D43FLW
FXData:

</EFOFEX>, <EFOFEX>
id:fxe{bf634fdd-e93f-4f64-a397-15aa5524f72e}
FXGP:DP-4D43FLW
FXData:

</EFOFEX> and <EFOFEX>
id:fxe{07e44f54-29cb-4824-bb0b-4455f98679cf}
FXGP:DP-4D43FLW
FXData:

</EFOFEX>, use a completed Venn diagram to determine the following probabilities:

1. <EFOFEX>
   id:fxe{89bb1b79-55f2-4a25-90f2-9fb0116dc5d4}
   FXGP:DP-4D43FLW
   FXData:

   </EFOFEX>
2. <EFOFEX>
   id:fxe{39851ab2-c268-4376-9053-f25adb31ef4d}
   FXGP:DP-4D43FLW
   FXData:

   </EFOFEX>
3. <EFOFEX>
   id:fxe{d67d524e-eca7-4cda-b23f-c332846e851d}
   FXGP:DP-4D43FLW
   FXData:

   </EFOFEX>

**Solution:**

1. <EFOFEX>
   id:fxe{b5f57ba3-946c-44a9-9365-b779be950663}
   FXGP:DP-4D43FLW
   FXData:

   </EFOFEX>
2. <EFOFEX>
   id:fxe{72a27126-909d-467d-9e06-051a8c70b4e2}
   FXGP:DP-4D43FLW
   FXData:

   </EFOFEX>
3. <EFOFEX>
   id:fxe{7e88356c-0a63-453a-9fb4-d5fdc15ed387}
   FXGP:DP-4D43FLW
   FXData:

   </EFOFEX>