Problem 1:

1. Paul asked 320 students whether they played the piano and the violin.
   a. Fill in the missing pieces of the Venn Diagrams.
   
   b. Based on the Venn Diagram, how many play:
      i. Piano Only: ____________
      ii. Violin Only: ____________
      iii. Piano: ____________
      iv. Violin: ____________
      v. Violin and Piano: ____________
      vi. Neither: ____________
Problem 2:

1. Marcus asked 84 pet owners whether they own a goldfish, a dog, and an eagle.

c. Fill in the missing pieces of the Venn Diagrams.

d. Based on the Venn Diagram, how many own:
   i. Dog Only: ___________
   ii. Eagle Only: ___________
   iii. Dog and Goldfish: ___________
   iv. Dog and Eagle, but not Goldfish: ___________
   v. Eagle and Dog: ___________
   vi. None of Them: ___________
vii.  All of Them: __________

viii. Dog: __________

ix.  Goldfish: __________