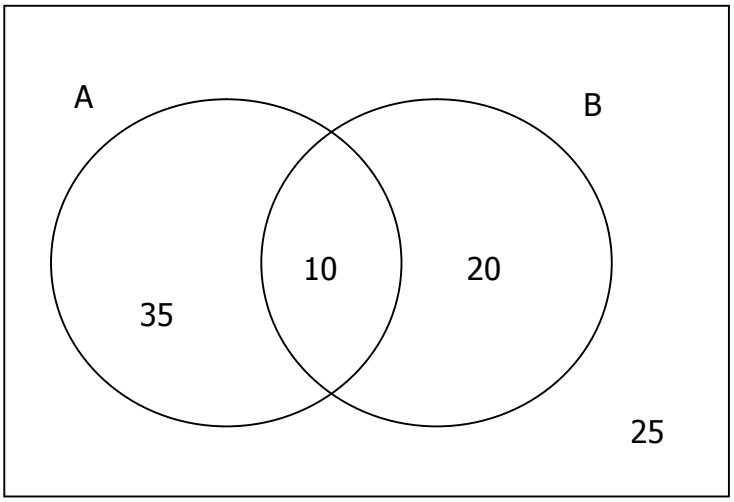
130 WORKSHEET (2.2)

Name _____

1. Use the Venn Diagram to answer the following: (Show the numbers you add if any).



Notation: n(A) means the number of elements in set A.

A. $n(A \cap B)$

B. $n(A)$

C. $n(B)$

D. $n(A \cup B)$

E. $n(U)$

F. $n(A' \cap B)$

2. A survey of 800 small businesses indicates that 250 own photocopiers, 420 own fax machines, and 180 own photocopiers and fax machines.

   A. Draw a Venn diagram containing 2 circles that displays the given information.

   B. How many small business own only a photocopier (and not a fax)?

   C. How many small business do own neither machine?