You MUST use good no	tation
and show appropriate we	ork.

Math 102 (Section 2.6)

Name

2.6 Comparing Sets Verifying Syllogisms

a)	All horses have four legs. Thunder is a horse.
	Therefore, Thunder has four legs.
b)	All horses have four legs. Thunder is not a horse. Therefore, Thunder does not have four legs.
c)	All horses have four legs. Some animals with four legs are black.
	Therefore, some horses are black.
d)	Some horses are black. Thunder is not black. Therefore, Thunder is not a horse.

	e)	All A's are B's. No B's are C's. Therefore, no A's are C's.
	f)	All A 's are B's. Some C's are B's. Therefore, some C's are not A's.
2.	inconsiste	statements is said to be consistent if they can be simultaneously true, otherwise they are ent. Use Euler diagrams to determine whether each pair is consistent. ar work and state your results. Some dogs are not barkers. All barkers are dogs.
	b)	All mathematics students are industrious. Some mathematics students are not industrious.