CROSSING THE RIVER

Problem #1: A farmer returns from the market, where he bought a goat, a cabbage and a wolf. On the way home he must cross a river. His boat is small and won't fit more than one of his purchases. He cannot leave the goat alone with the cabbage (because the goat would eat the cabbage), nor he can leave the goat alone with the wolf (because the goat would be eaten).

How can the farmer get them across? Be specific with each step.

Problem #2: Three missionaries and three cannibals want to get to the other side of a river. There is a small boat, which can fit only two. To prevent a tragedy, there can never be more cannibals than missionaries together.

How can they all get to the other side? Be specific with each step.
**Problem #3:** Parents with two children - a son and a daughter - came to a wide river. The only way to get to the other side was to ask a fisherman if he could lend them his boat. However, the boat could carry only one adult or two children.

How does the family get to the other side and return the boat to the fisherman? Be specific with each step.