Crossing the River

Read the problem carefully.
Read it again.
Discuss/share possible strategies.
Choose a strategy.
Show your work.
Give the best answers you can!

Crossing the River:
Eight adults and two children need to cross a river. One small boat is available that can hold one adult or one or two children. Everyone is able to row the boat.

--So there are three possibilities:

1 adult in the boat, **or** 1 child in the boat, **or** 2 children in the boat.

1. What is your strategy? _____

_____

_____

2. How many <u>one-way trips</u> does it take for all of them to cross the river? Make sure you have evidence to justify your answer!

3. Can you determine the number of trips necessary for 2 children and <u>any</u> number of adults? Explain in words.

4. Can you write a function that could be used to answer these questions? Define your variables!