

35 pts

Name: _____

Class Day / Time: _____

Due Date: _____

Lab 4: Problem Solving

Problem #1. (7pts) Solve the problem on the next page. (I've included a few practice templates on the 3rd page – do not turn these in – put your FINAL solution on page 2)

Problem #2. (28 pts) Analyzing the problem state: **The Farmer, fox, goose, & corn problem.** USE the **EXCEL template** provided to solve the following problem. Type your answers in the appropriate box. **Explain each step for credit** (i.e. list each possibility and explain which choices are possibly and why.)

- There is a farmer, a fox, a goose, and a bag of corn.
- The farmer wants to get all of this stuff across a different river.
- His boat will only hold himself, and one of the other three items.
- The fox will eat the goose if the farmer is not present, and the goose will eat the corn if the farmer is not present.
- How can the farmer transport all three items across the river?

For this problem make sure that you list out the possibilities at each step and explain your choices and circle the choice you made.

Turn in (in this order stapled)

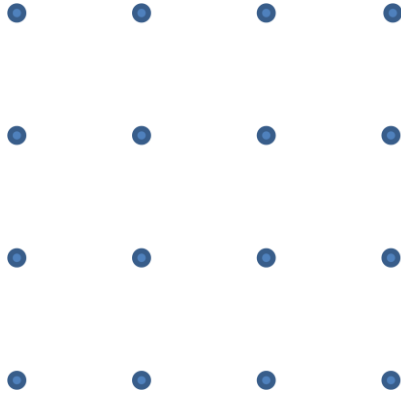
1 – This sheet stapled (as a coversheet)

2 – Problem #1.

3 – Problem #2 (fill in the excel spreadsheet → **typed** – not hand written).

Problem #1.

Draw six line segments through the 16 points [without lifting your pencil](#) or [retracing a line](#).
Turn in this page as your final solution → the next page is just for practice.



PROBLEM #1 - Practice Sheet - Do not turn this in with the assignment - put your final answer on page 2.

