Outline notes for PS04
Math 126

Definitions. (Ch. 10) Euler phi function.

Problem outlines.

1(b) One possibility: For which p and k is the rest of the statement not true? Try some examples and find a pattern; then fix the statement to exclude the exceptional p and k.

9.2 (a) Try examples, find a pattern.
(b) *Assume:* p is prime.
Conclude: $(p-1)! \equiv ??$ (mod p).

11.2 (a,b) Try examples, using the phi function formulas; find a pattern. Describe what happens with the pattern in general.