

MATH 3P12, Fall, 2017

ASSIGNMENT #3

Due: 5 pm. Friday, Nov. 10, 2017

1. Suppose that $\phi : Z_{50} \rightarrow Z_{50}$ is an isomorphism with $\phi(11) = 13$. Determine a formula for $\phi(x)$.

2. The following questions are from the text book (with 9th edition).

Pages 112–116. #6, 8(d),(e), 16,19, 32.

Pages 132–136. # 3, 4, 8, 12.

Pages 150–154. # 4, 5, 12, 16, 22

Additional Practice Exercises. Not To Be Submitted.

Pages 112–116. # 10, 12, 15, 17, 20, 23, 24, 27, 39.

Pages 132–136 # 1, 2, 6, 7, 12, 15, 22, 24, 31, 33, 35, 36, 37.

Pages 150–154. #8, 13, 18, 21, 23, 37, 39.