Math4010
HW #6 Questions
Please print this out and write your answer directly on this worksheet.

(1) Create a base 6 multiplication table and base 6 number line.

(a) Use blocks to model and solve these problems.
  $4_6 \, x \, 25_6$ (repeated addition)
  $231_6 \div 3_6$ (partitive and measurement)

(b) Use a number line to model and solve these problems.

$3_6 x\, 11_6$

$54_6 \div 3_6$ (repeated subtraction)

(c) Use a chip abacus to model and solve these problems.

$3_6 x135_6$ $3_6 x\, 524_6$

$324_6 \div 5_6$

(2) For each of these problems, use three different models to find the answer. (You can look through the exercises in the book to give you more ideas, if necessary.) Demonstrate your work clearly and indicate which algorithm you're using.

     (a) $346 + 97$

     (b) 347×42

(c) $781 \div 6$

(d) $2002 - 653$