

Math 100
Fall, 2008

Name _____

Homework #10
Due Tuesday, October 21
No late papers accepted! No excuses!

1. Use the Casting Out Nines Method (Nines Complement Method) to do the following subtraction problems:

a.
$$\begin{array}{r} 14,235 \\ -5,679 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 40,468 \\ -23,489 \\ \hline \end{array}$$

2. Use the Russian peasant method to multiply:
$$\begin{array}{r} 276 \\ \times 249 \\ \hline \end{array}$$

3. Do the following arithmetic problems in the different bases.

a)
$$\begin{array}{r} 435_{\text{six}} \\ + 243_{\text{six}} \\ \hline \end{array}$$

b)
$$\begin{array}{r} 245_{\text{eight}} \\ \times 56_{\text{eight}} \\ \hline \end{array}$$