Math 01, Homework 1 on Sections 1.1 - 1.6
Hand in by Wed, Sept 7 at the start of class.

Write all your working out and answers on a separate sheet. These first ten questions are 2 points each and **their solutions are on page 2**. Check that you get the same answers. If you don't, then look at your notes or the book or ask me. Only do the last eight questions when you are sure you understand the first ten.

It is very important that you show clearly any work you had to do to get your answers. Just writing the answer down with no work shown is not enough.

(1) Add: $383 + 47$

(2) Add:

$$
\begin{array}{r}
56320 \\
9864 \\
904 \\
+ \quad 6503 \\
\end{array}
$$

(3) Subtract: $6389 - 999$

(4) Subtract:

$$
\begin{array}{r}
9001010 \\
- \quad 1111111 \\
\end{array}
$$

(5) Multiply: 83×5

(6) Multiply: 837×54

(7) Evaluate: **(a)** 5^4,   **(b)** $\sqrt{121}$

(8) Divide, giving the quotient and remainder: $37 \div 11$

(9) Divide, giving the quotient and remainder: $578 \div 19$

(10) Divide: $0 \div 100$

These next eight questions are 2 points each. Show clearly all your working out and reasoning.

(11) Add: $57 + 819$

(12) Subtract: $5432 - 123$

(13) Subtract:

$$\begin{array}{r} 9001010 \\ - \ 3790222 \end{array}$$

(14) Multiply: 493×78

(15) Evaluate: 7^3

(16) Evaluate: $\sqrt{400}$

(17) Divide, giving the quotient and remainder: $57 \div 11$

(18) Divide, giving the quotient and remainder: $600 \div 17$

Answers to questions (1)-(10):

(1) 430

(2) 73591

(3) 5390

(4) 7889899

(5) 415

(6) 45198

(7)   **(a)** 625,   **(b)** 11

(8) 3 R 4

(9) 30 R 8

(10) 0