***** NO CALCULATORS IN THIS ROUND *****

ANSWERS

A)   (_____ , _____ , _____)

B) _____

C) _____

A) A triathlete swims 2 miles in three hours, jogs 10 miles in four hours and bicycles 40 miles in $1\frac{1}{2}$ hours. The average rate for these three events lies between two consecutive integers A and B, closer to one of these values than the other. Let C denote the closer value. Determine the ordered triple (A, C, B).

B) If x is 80% of y and y is $33\frac{1}{3}$% of w, then x^2 is k% of w^2.

Determine the value of k <u>to the nearest tenth</u>.

C) If $\dfrac{a+b}{c}=2$ and $\dfrac{a+c}{b}=3$, compute $\dfrac{b+c}{a}$.