DATE: $\qquad$
NAME:

MPM1D Principles of Mathem
d

## SOLVING EQUATIONS Mini Test

SHOW ALL YOUR WORK FOR FULL MARKS
$K=$
$T=$
/20
$C=$
/6
TOTAL =
/40
/6
A =
/8

1. Solve for the unknown in each of the following equations. Round final answers to two decimal places or keep as a fraction. [K 1, 1, 2, 3, 2, 4, 4]
a)
b)
c)
d)
e)
f)
g)
2. Rearrange the following formulas [K2]
a)
b)
3. Jenna made TWO mistakes when she solved this equation. [C6]
a) Circle both of her mistakes.
b) Solve the equation correctly.
c) Prove that your solution is correct by doing a LS = RS check for both your solution AND Jenna's solution.
4. $\qquad$ .
Find the side lengths of each figure. All measurements are in centimetres. [T6]
5. $\qquad$
Find the $\qquad$ using an algebraic equation (Remember: Define your variables and include a final statement) [A4]
6. 

Using an algebraic equation, find the 3 numbers. (Remember: Define your variables and include a final statement) [A4]


## What you need to know for the test:

1) How to solve equations (one-step, two step, and multi-step)

For extra practice: posted on the math hub is a sheet called "What is the title of this picture"
2) How to solve equations involving fractions

For extra practice: pg 205-210 in your textbook
3) How to rearrange formulas

For extra practice: pg 211-215 in your textbook
4) How to spot an error in a solution, and correct it
5) How to do a LS = RS check

For extra practice: check the solution to any equation you've solved for homework
6) How to solve word problems

For extra practice: re-do homework questions from class, do the pre-test assignment, and do the following questions from your textbook: pg 226 \#1-10
**More practice: Chapter 4 Review in your textbook pg \#230-231**

