**Pythagorean Theorem Checklist**

**Solving for the side of a right triangle**

□ Make an arrow from the box, to identify the c

□ Label the sides of the triangle a, b, c

□ Place the numbers under the appropriate letter of

□Square the numbers

□Solve for the missing variable

 ◦ If solving for c, we take the sum of a2 + b2 and take the square root

 ◦If solving for a or b, we need to get the variable by itself, so subtract the constant from both

 sides, and take the square root

**Determining if the triangle is a right triangle.**

□ Write down $a^{2}+b^{2}=c^{2}$

□ Find the largest number and write it under the c2

□ Place the numbers under a2 + b2

□ Take the sum of a2 + b2

□Square the c

□ If the left side is equal to the right side, then it is a right triangle

□ If the left side is NOT equal to the right side, then it is NOT a right triangle

**Determining if the triangle is a acute or obtuse triangle.**

□ Write down $a^{2}+b^{2}=c^{2}$

□ Find the largest number and write it under the c2

□ Place the numbers under a2 + b2

□ Take the sum of a2 + b2

□Square the c

□ If $a^{2}+b^{2}<c^{2}$ or if c2 is greater than a2 + b2 , then it is an obtuse triangle

□ If $a^{2}+b^{2}>c^{2}$ or if c2 is less than a2 + b2 , then it is an acute triangle