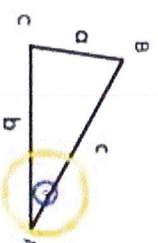
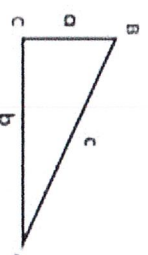


The CONVERSE of The Pythagorean Theorem

If $c^2 < a^2 + b^2$, then $\triangle ABC$ is an acute triangle.



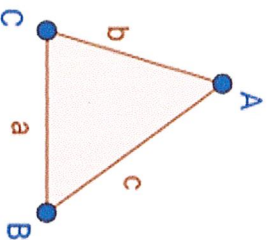
If $c^2 = a^2 + b^2$, then $\triangle ABC$ is a right triangle.



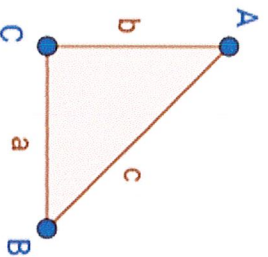
If $c^2 > a^2 + b^2$, then $\triangle ABC$ is an obtuse triangle.



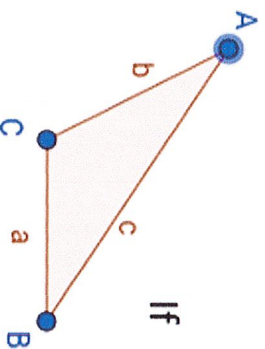
Converse of Pythagorean Theorem



If $c^2 < a^2 + b^2$ then ABC is an acute triangle



If $c^2 = a^2 + b^2$ then ABC is right triangle



If $c^2 > a^2 + b^2$ then ABC is an obtuse triangle