

How to construct isometries?	Axiom 4.1 and Theorem 15c.
How to prove that triangles are congruent?	Construct an isometry or use SSS, ASA, ASA, AAS, HL.
How to prove that triangles are isoseles?	Definition(sides are equal) or Problem 1 (Converse to Pons Asinorum). Sometimes you can prove that altitude coincides with angle bisector or median(Problem 3 and 4).
How to prove that lines are parallel?	Definition(no points of intersection) or Theorem 18(prove that corresponding or alternate interior angles are equal).
How to prove that segments or angles are equal?	Prove that some triangles are equal. Sometimes you can prove that some triangles are isoseles.
How to prove that a point belongs to an angle bisector?	Prove that if you connect this point with the vertex then two angles are equal. After you solve Problem 21 you can prove instead that the perpendiculars to the sides are equal.
How to prove that a point belongs to an altitude?	Connect with the vertex and show that the angle between the line and the base is 90° .

Show Action Buttons

If you need to find a number very often you will denote it as x , express evrething in terms of x and write an equation for x .

If you need to find a location of a point, very often you can use locus of points.