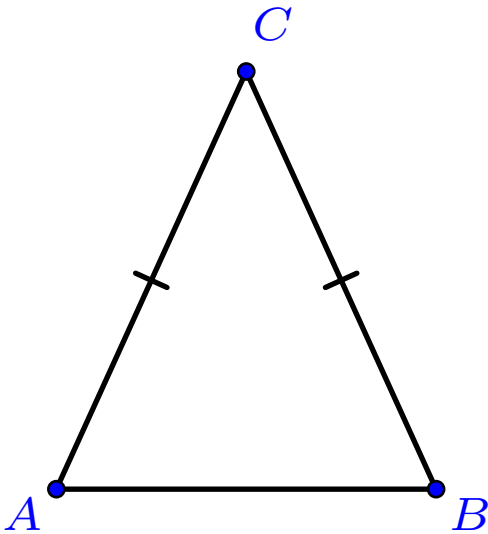


The Isosceles Triangle Theorem

Proofs.

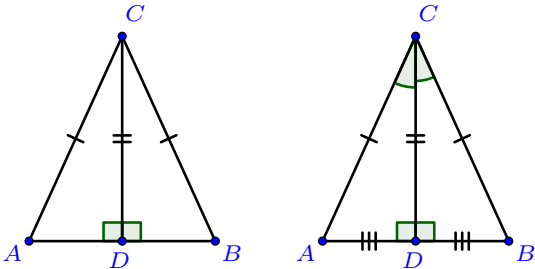
Problem 1 Prove that the base angles of an isosceles triangle are congruent.



(a) Angle bisector; (b) Median



(c) Altitude; (d) Overspecified perpendicular bisector



The Isosceles Triangle Theorem

(e) Using symmetry; (f) perpendicular bisector that misses vertex;

