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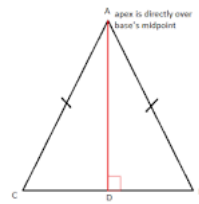All   Images   Videos   News   Shopping   More   Settings   Tools

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An isosceles triangle is a triangle that:

- Has two congruent sides.
- Has congruent base angles.
- Has an altitude which: (1) meets the base at a right angle, (2) bisects the apex angle, and (3) splits the original isosceles triangle into two congruent halves.

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In geometry, an **isosceles triangle** is a **triangle** that has two sides of equal length. Sometimes it is specified as having two and only two sides of equal length, and sometimes as having at least two sides of equal length, the latter version thus including the equilateral **triangle** as a special case.

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Basic Properties. Because **angles** opposite equal sides are themselves equal, an isosceles triangle has two equal **angles** (the ones opposite the two equal sides). Thus, given two equal sides and a single angle, the entire **structure** of the triangle can be determined.

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We want to prove the following **properties** of **isosceles triangles**. Theorem: Let ABC be an **isosceles triangle** with AB = AC. Let M denote the midpoint of BC (i.e., ...

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If all three sides are the same length it is called an equilateral triangle. Obviously all equilateral triangles also have all the **properties of an isosceles triangle**.

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An isosceles triangle is a triangle that: Has two **congruent** sides. Has **congruent base angles**. Has an altitude which: (1) meets the base at a right angle, (2) bisects the apex angle, and (3) **splits** the original isosceles triangle into two **congruent** halves.

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Now let us see the **properties of an isosceles triangle**. We know that two sides of an isosceles triangle are equal. Its equal sides are called its legs and the third ...

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Properties, convex, cyclic. In geometry, an **isosceles triangle** is a triangle that has two sides of equal length. Sometimes it ...

Properties: convex, cyclic	**Edges and vertices**: 3
Symmetry group: Dih_2,, (*), order 2	**Schläfli symbol**: () ∨

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This **property** is equivalent to two angles of the triangle being equal. An **isosceles triangle** therefore has both two equal sides and two equal angles. The name ...

[PDF] Properties of Isosceles Triangles An isosceles triangle has at least tw…
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Properties of **Isosceles Triangles**. An **isosceles triangle** has at least two equal sides. Notice that this means that an **equilateral triangle** is a special isosceles ...

Proofs concerning isosceles triangles (video) | Khan Academy
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Sal proves that the base angles in **isosceles triangles** are congruent, and ... These are things that have the all ...

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