

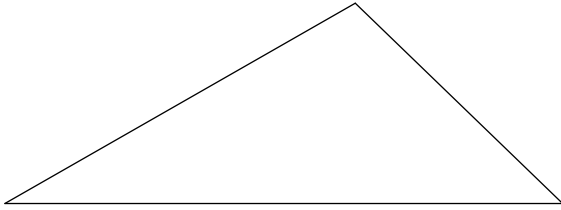
Triangle Constructions

© 2010 Kuta Software LLC. All rights reserved.

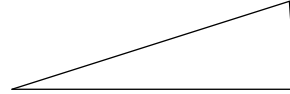
Construct a copy of each triangle given.

Construct a triangle whose sides are twice as long as the sides of the given triangle.

1)



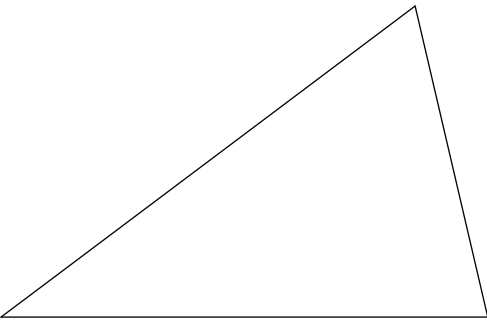
2)



Construct a triangle whose sides are half as long as the sides of the given triangle.

Construct an equilateral triangle.

3)



4)

Construct an isosceles triangle given the length of the base and the length of the sides.

5)

Base: _____
Side: _____

Construct an isosceles triangle given the length of the base and the length of the altitude.

6)

Base: _____
Altitude: _____

Construct a right triangle given the hypotenuse and a leg.

7)

Hypotenuse: _____
Leg: _____

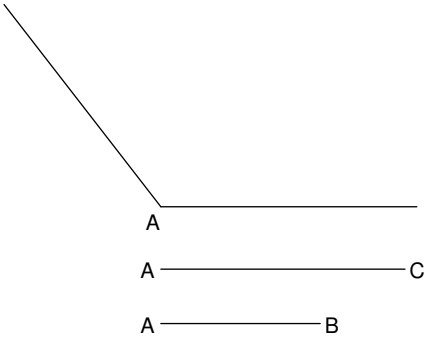
Construct a triangle given the three side lengths.

8)

Side 1: _____
Side 2: _____
Side 3: _____

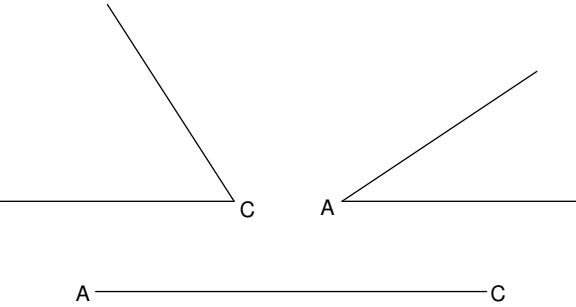
Construct triangle ABC given two sides and the included angle.

9)



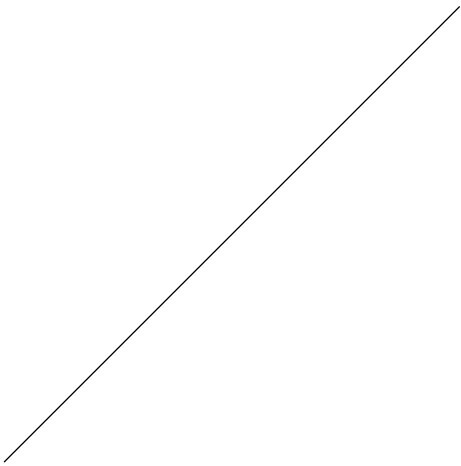
Construct triangle ABC given two angles and the included side.

10)



Construct a 30-60-90 triangle using the segment given as the hypotenuse.

11)



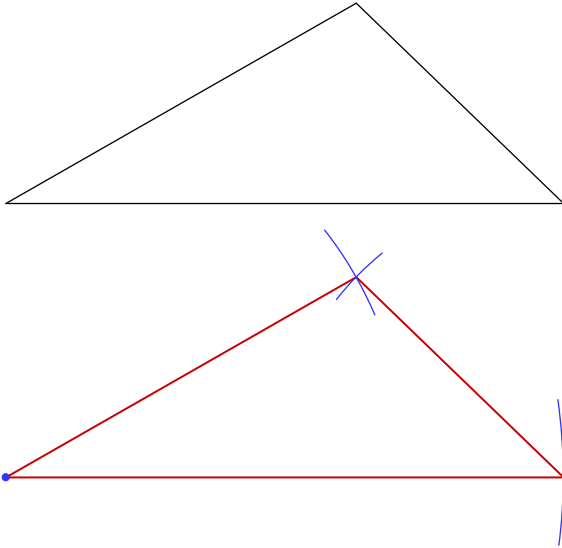
Triangle Constructions

© 2010 Kuta Software LLC. All rights reserved.

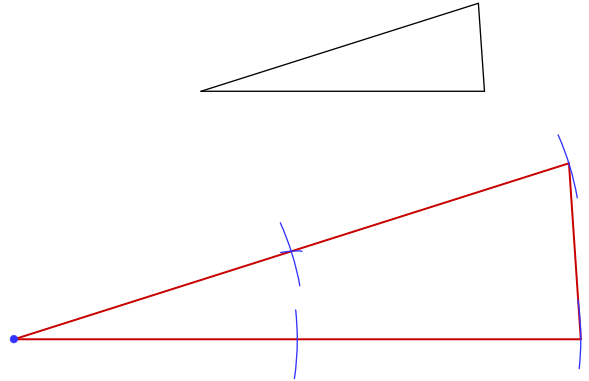
Construct a copy of each triangle given.

Construct a triangle whose sides are twice as long as the sides of the given triangle.

1)



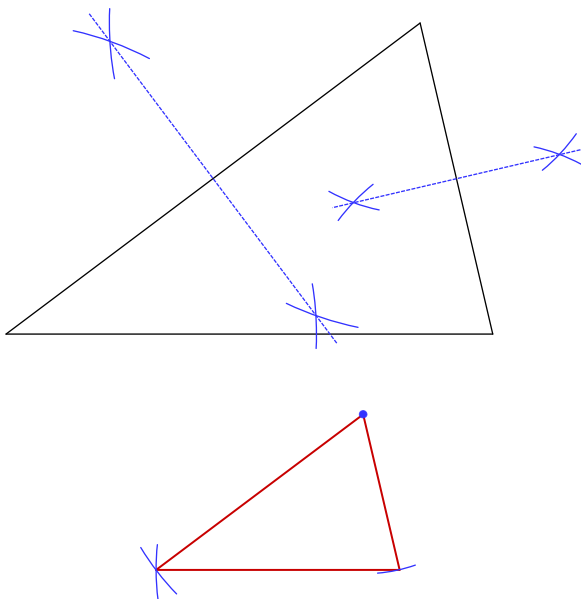
2)



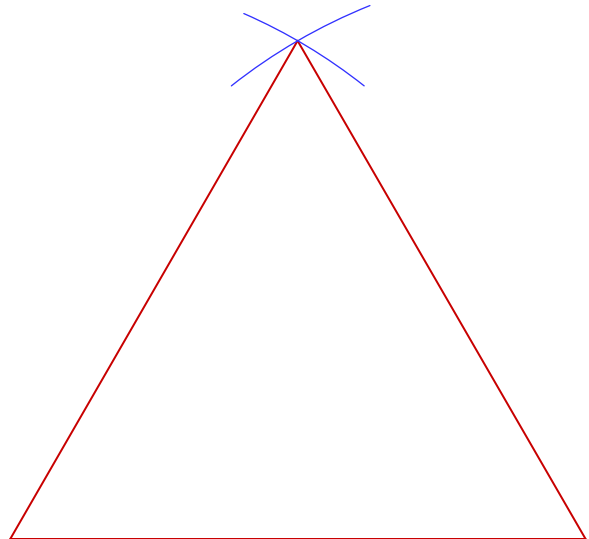
Construct a triangle whose sides are half as long as the sides of the given triangle.

Construct an equilateral triangle.

3)



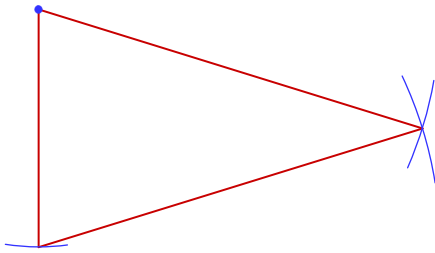
4)



Construct an isosceles triangle given the length of the base and the length of the sides.

5)

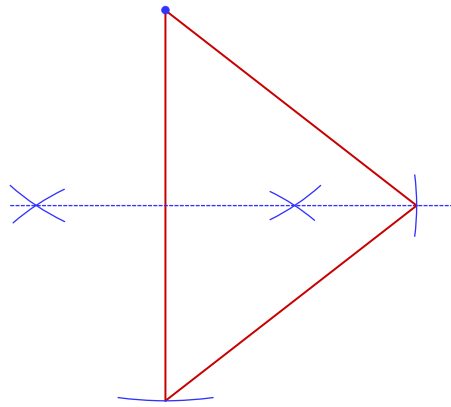
Base: _____
Side: _____



Construct an isosceles triangle given the length of the base and the length of the altitude.

6)

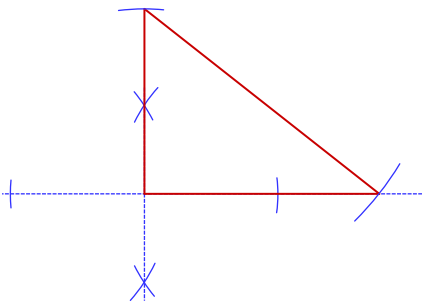
Base: _____
Altitude: _____



Construct a right triangle given the hypotenuse and a leg.

7)

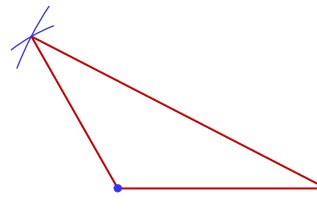
Hypotenuse: _____
Leg: _____



Construct a triangle given the three side lengths.

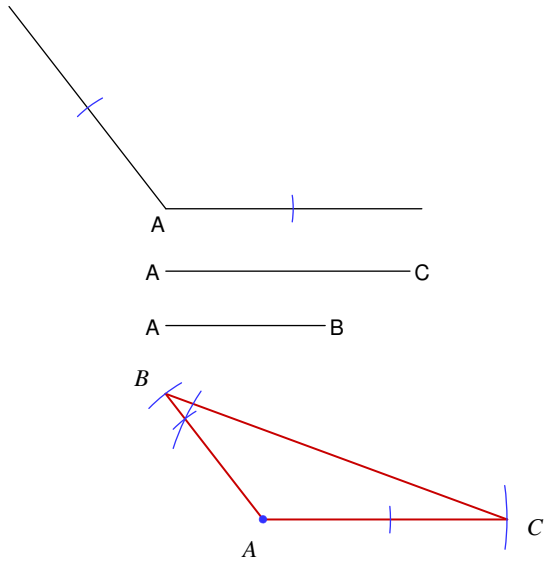
8)

Side 1: _____
Side 2: _____
Side 3: _____



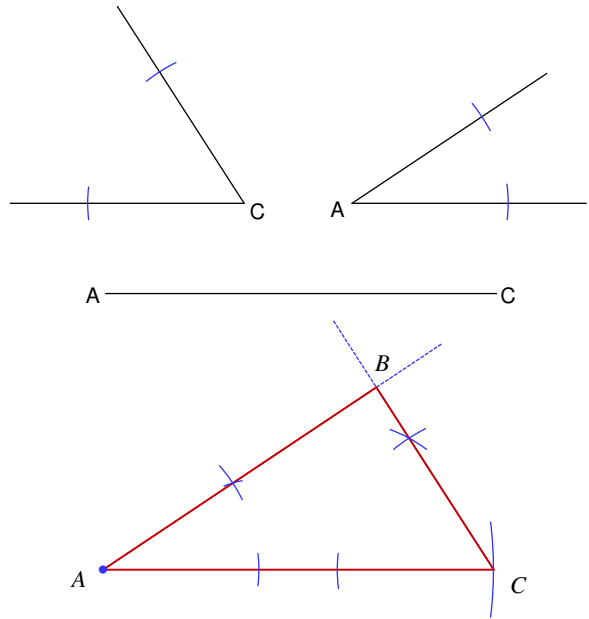
Construct triangle ABC given two sides and the included angle.

9)



Construct triangle ABC given two angles and the included side.

10)



Construct a 30-60-90 triangle using the segment given as the hypotenuse.

11)

