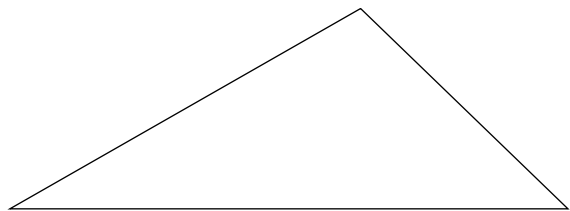


### Triangle Constructions

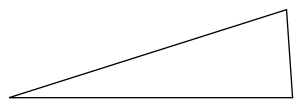
**Construct a copy of each triangle given.**

1)



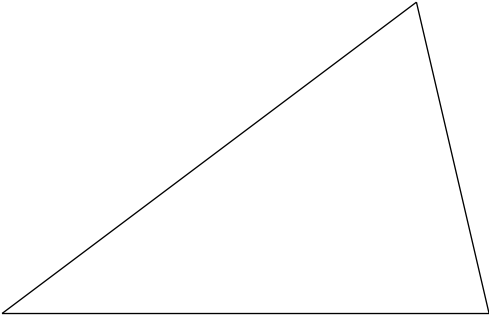
**Construct a triangle whose sides are twice as long as the sides of the given triangle.**

2)



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

3)



**Construct an equilateral triangle.**

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)

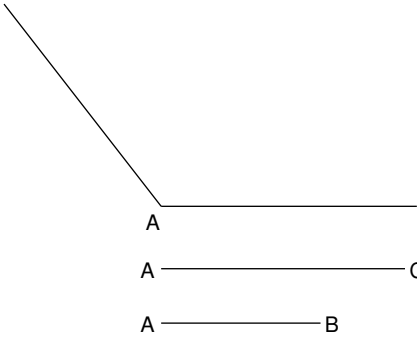
Side 1: \_\_\_\_\_

Side 2: \_\_\_\_\_

Side 3: \_\_\_\_\_

**Construct triangle ABC given two sides and the included angle.**

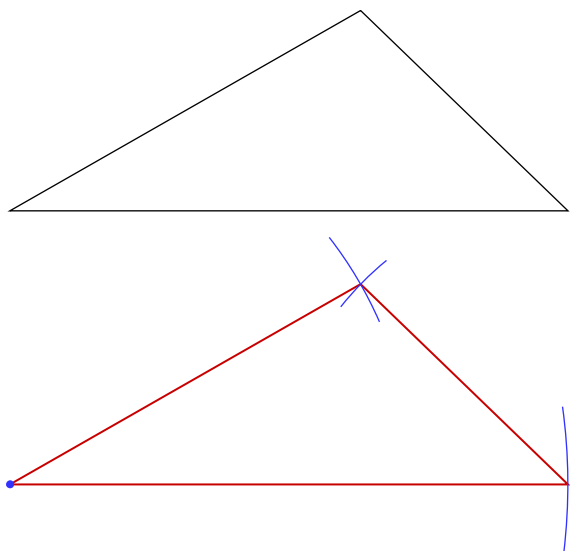
9)



### Triangle Constructions

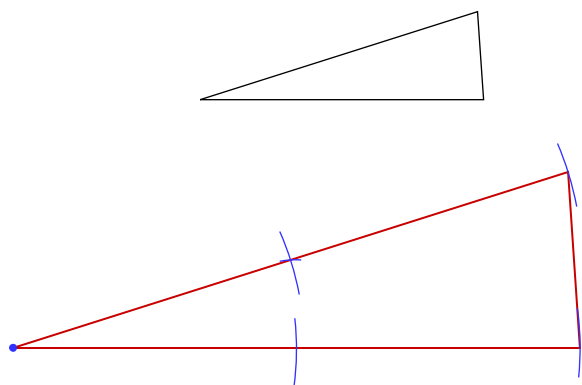
**Construct a copy of each triangle given.**

1)



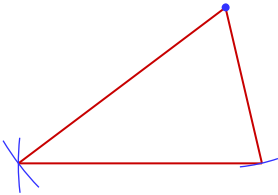
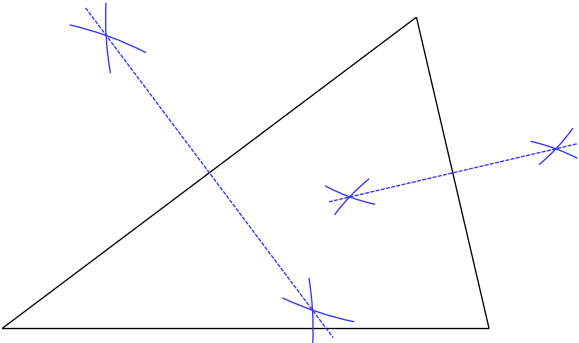
**Construct a triangle whose sides are twice as long as the sides of the given triangle.**

2)



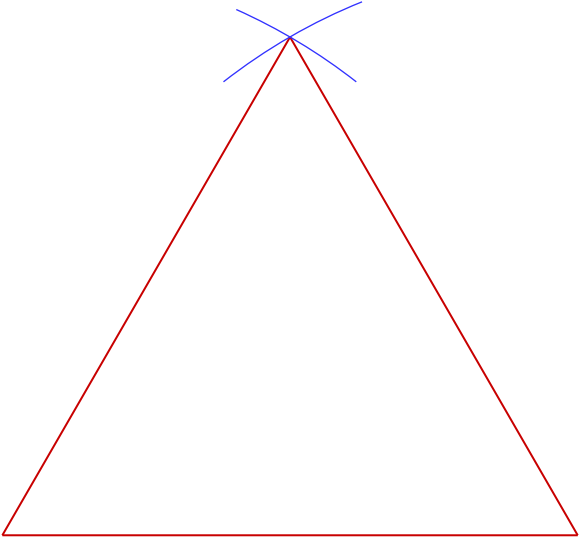
**Construct a triangle whose sides are half as long as the sides of the given triangle.**

3)



**Construct an equilateral triangle.**

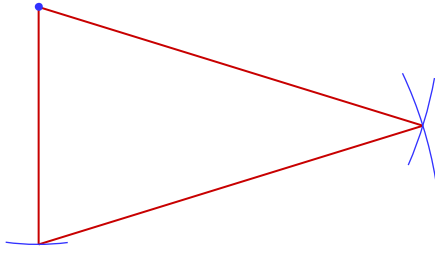
4)



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

5)

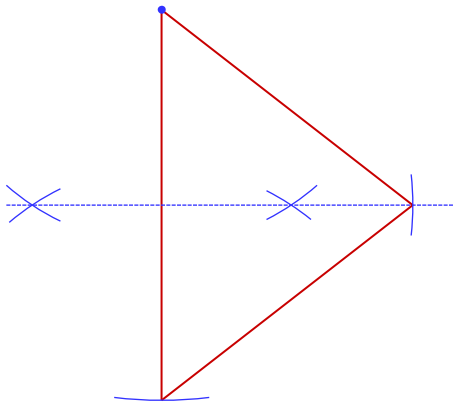
Base: \_\_\_\_\_  
Side: \_\_\_\_\_



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

6)

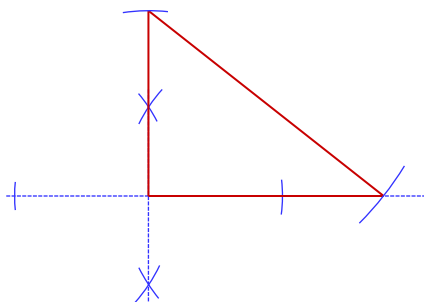
Base: \_\_\_\_\_  
Altitude: \_\_\_\_\_



**Construct a right triangle given the hypotenuse and a leg.**

7)

Hypotenuse: \_\_\_\_\_  
Leg: \_\_\_\_\_



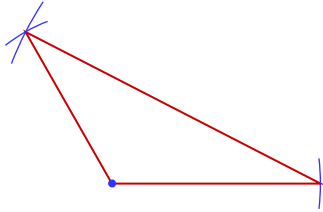
**Construct a triangle given the three side lengths.**

8)

Side 1: \_\_\_\_\_

Side 2: \_\_\_\_\_

Side 3: \_\_\_\_\_



**Construct triangle ABC given two sides and the included angle.**

9)

