

## Objectives

Name \_\_\_\_\_

- understand the symbolism for 3 and 6
- classify triangles
  - by sides: scalene, isosceles, equilateral
  - by angles: right, obtuse, acute
- define arc length
- construct
  - equilateral  $\triangle$
  - inscribe a triangle
  - inscribe a hexagon

## Notes

### Number Symbolism

Three:

Six:

# Definitions

Arc length-

## Classifying Triangles

by \_\_\_\_\_

equilateral

isosceles

scalene

by \_\_\_\_\_

equilateral

acute

obtuse

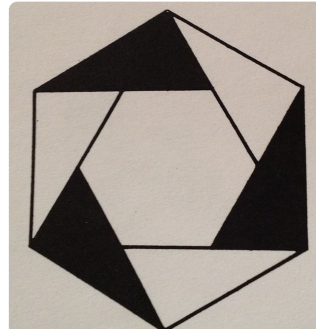
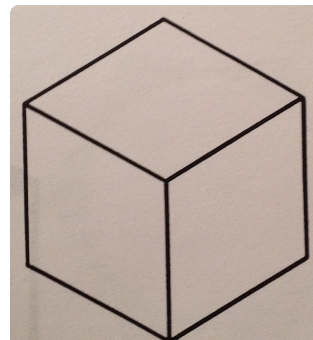
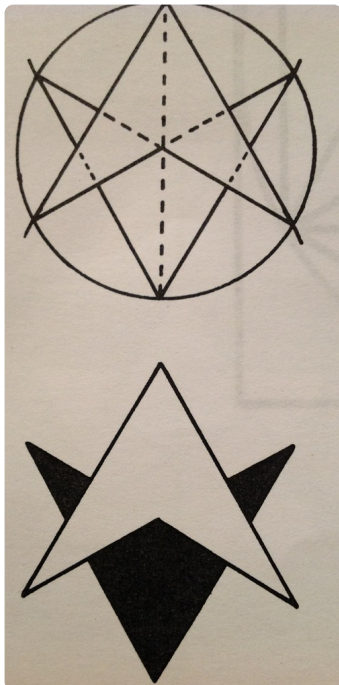
right

Inscribing triangles and hexagons— construction notes

## Constructing triangles

Construct a Right isosceles triangle

## Analyzing Designs

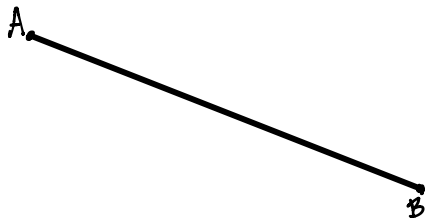


## Homework

1) Construct an obtuse angle, then copy it.

2) a) Given  $AB$ , construct a right angle at  $A$ .

b) Use that right angle to construct a scalene triangle



3) a) Classify the triangle by its sides and angles.

b) bisect each angle of the triangle

Chose ONE of the following designs to reconstruct.

