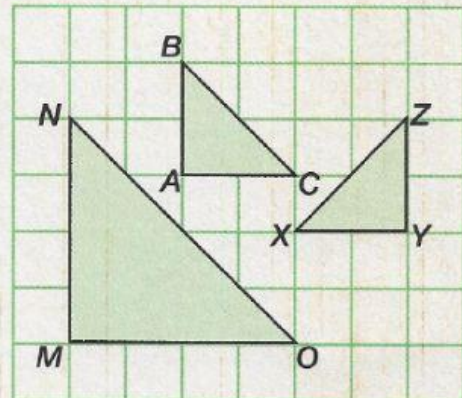


## Using Geometric Figures

## Lesson 12-1

## Similar and Congruent Figures

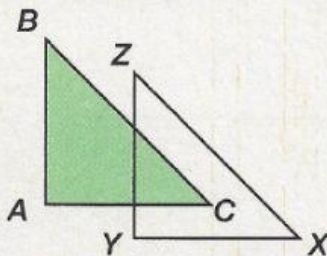
Plane figures that have the same shape are called **similar** figures. Plane figures that have the same shape and size are called **congruent** figures. Which triangles are similar to triangle  $BAC$ ? Which triangle is congruent to triangle  $BAC$ ?



Grid paper can be used to show that two plane figures are similar.

Triangle  $ABC$  is similar to triangles \_\_\_\_\_ and \_\_\_\_\_.

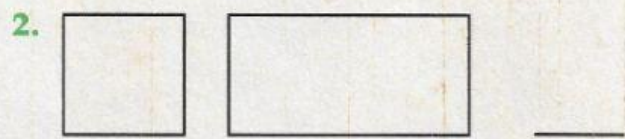
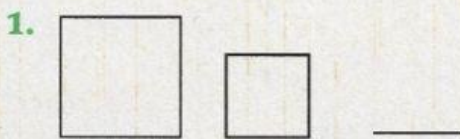
Tracing paper can be used to show that two plane figures are congruent.



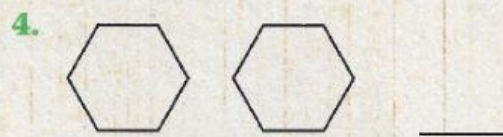
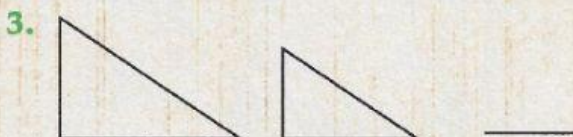
Triangle  $BAC$  is congruent to triangle \_\_\_\_\_.

## Getting Started

Tell if each pair of figures is similar. Write *yes* or *no*.

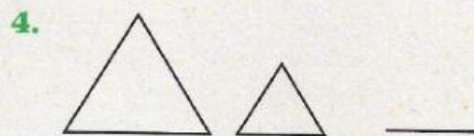
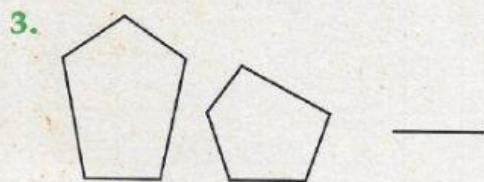
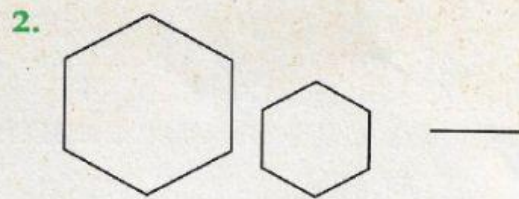
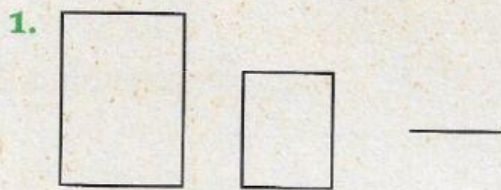


Tell if each pair of figures is congruent. Write *yes* or *no*.



## Practice

Tell if each pair of figures is similar. Write yes or no.



Tell if each pair of figures is congruent. Write yes or no.

