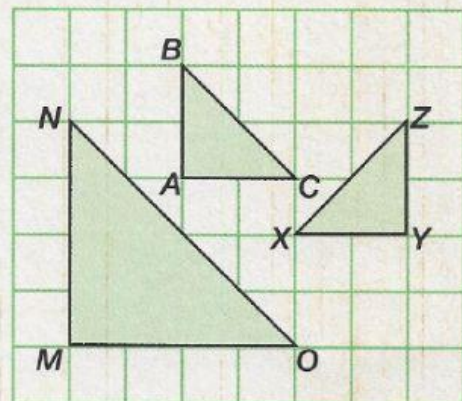


Using Geometric Figures

Lesson 12-1

Similar and Congruent Figures

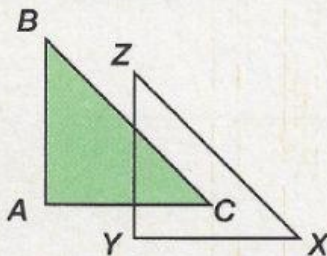
Plane figures that have the same shape are called **similar** figures. Plane figures that have the same shape and size are called **congruent** figures. Which triangles are similar to triangle BAC ? Which triangle is congruent to triangle BAC ?



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

Triangle ABC is similar to triangles _____ and _____.

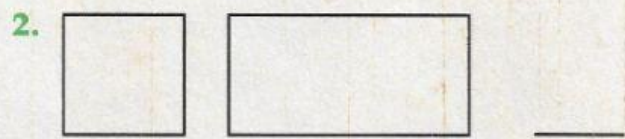
Tracing paper can be used to show that two plane figures are congruent.



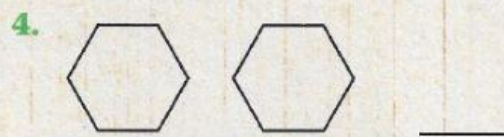
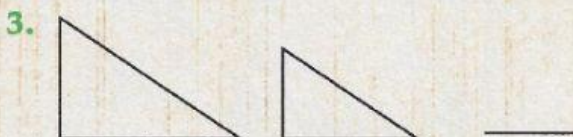
Triangle BAC is congruent to triangle _____.

Getting Started

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

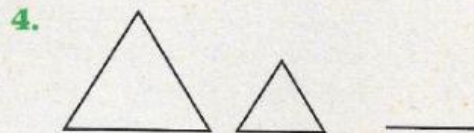
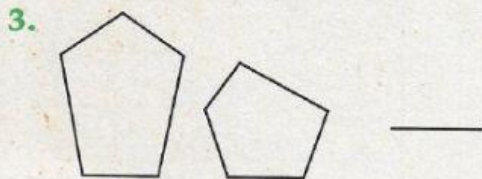
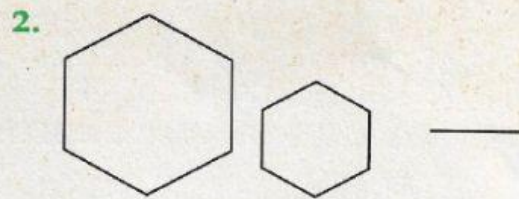
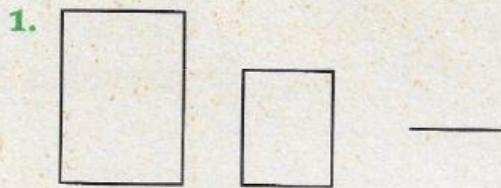


Tell if each pair of figures is congruent. Write *yes* or *no*.



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.

