Name _____

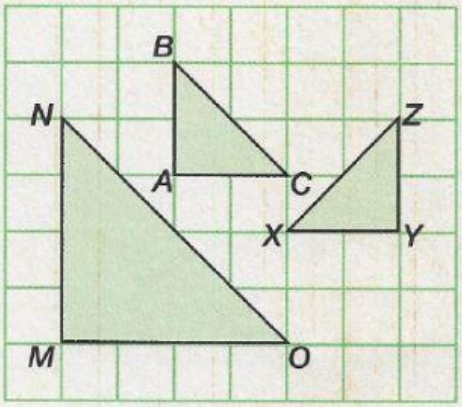
CHAPTER 12

Using Geometric Figures

Lesson 12-1

Similar and Congruent Figures

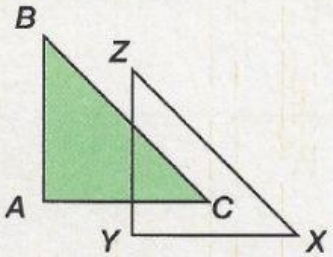
Plane figures that have the same shape are called **similar** figures. Plane figures that have the same shape and size are called **congruent** figures. Which triangles are similar to triangle *BAC*? Which triangle is congruent to triangle *BAC*?



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

Triangle *ABC* is similar to triangles _____ and _____.

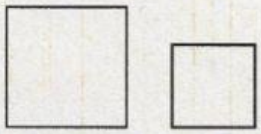
Tracing paper can be used to show that two plane figures are congruent.

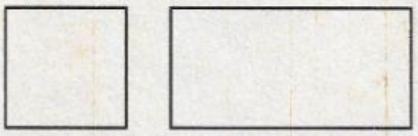


Triangle *BAC* is congruent to triangle _____.

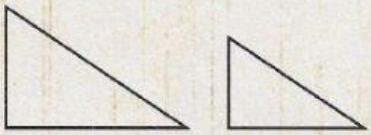
Getting Started

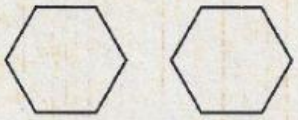
Tell if each pair of figures is similar. Write *yes* or *no*.

1.  _____

2.  _____

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

3.  _____

4.  _____

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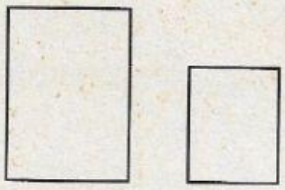
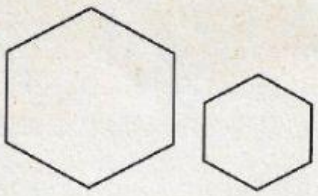
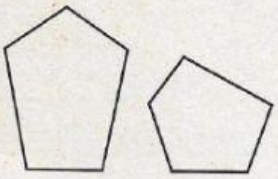
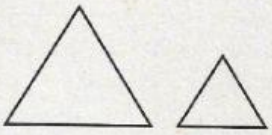
Practice

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

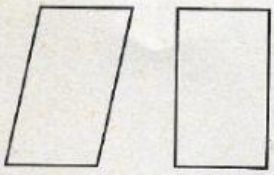
1.  _____

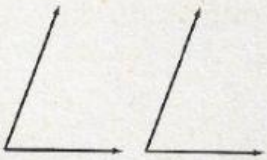
2.  _____

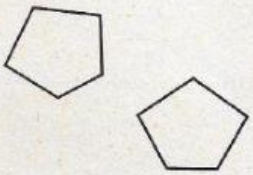
3.  _____

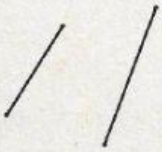
4.  _____

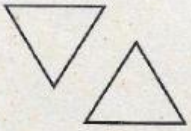
Tell if each pair of figures is congruent. Write *yes* or *no*.

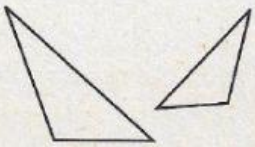
5.  _____

6.  _____

7.  _____

8.  _____

9.  _____

10.  _____

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