

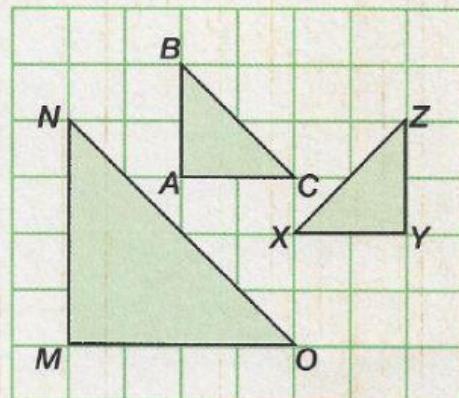
# Using Geometric Figures

## Lesson 12-1

### Similar and Congruent Figures

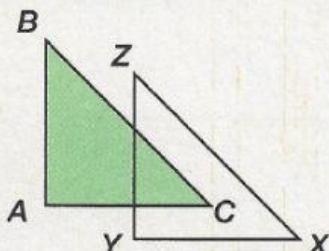
Plane figures that have the same shape are called **similar** figures. Plane figures that have the same shape and size are called **congruent** figures. Which triangles are similar to triangle  $BAC$ ? Which triangle is congruent to triangle  $BAC$ ?

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



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

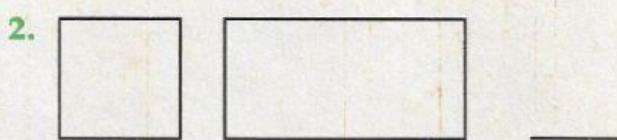
Tracing paper can be used to show that two plane figures are congruent.



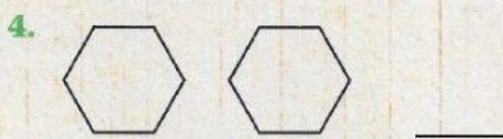
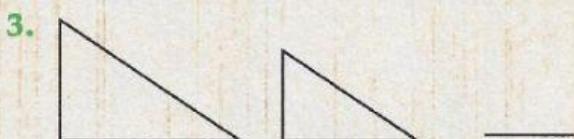
Triangle  $BAC$  is congruent to triangle \_\_\_\_\_.

### 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

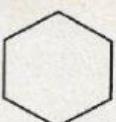
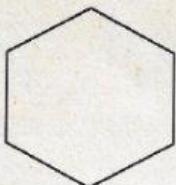
Tell if each pair of figures is similar. Write yes or no.

1.



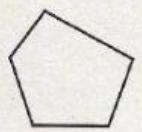
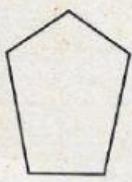
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2.



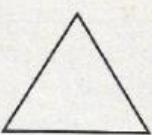
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3.



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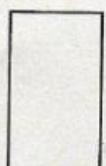
4.



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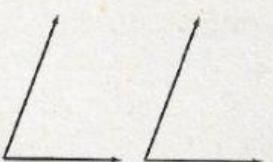
Tell if each pair of figures is congruent. Write yes or no.

5.



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6.



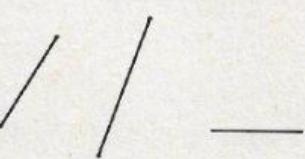
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7.



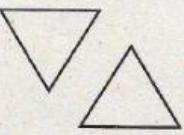
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8.



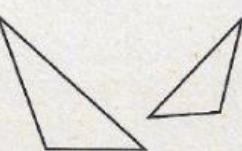
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9.



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10.



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