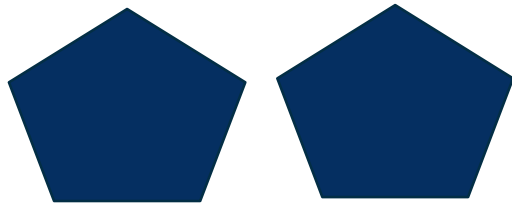
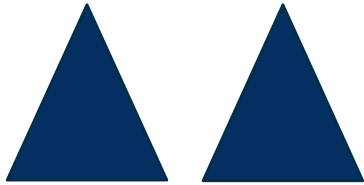


# 2.1

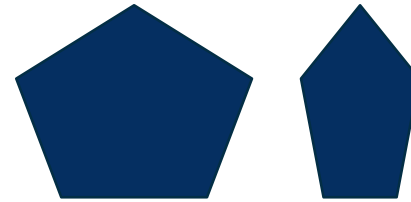
# CONGRUENT FIGURES

# Do Now

These pairs of shapes are congruent.



These pairs of shapes are NOT congruent.



**In your own words, what does congruent mean?**

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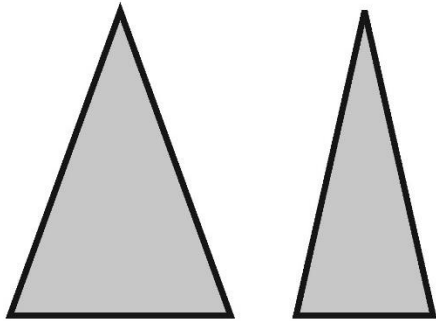
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**NEW WORD!**

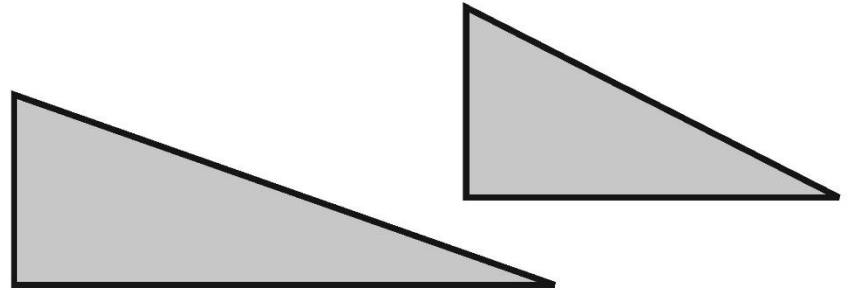
**CONGRUENT**

Tell whether the triangles are *congruent* or *not congruent*.

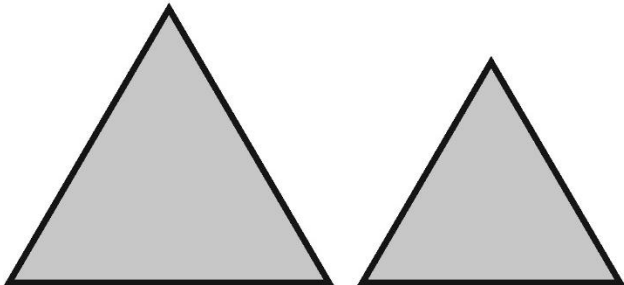
1.



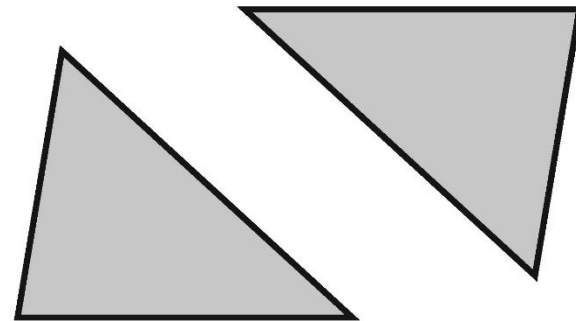
2.



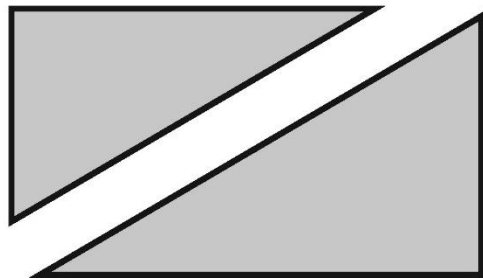
3.



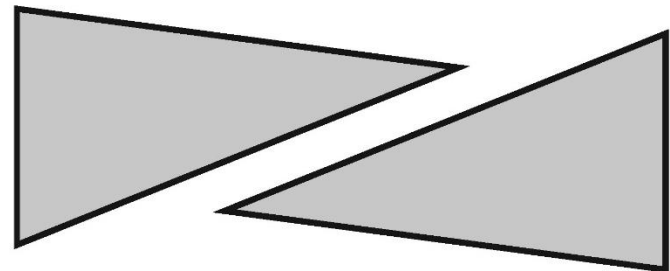
4.



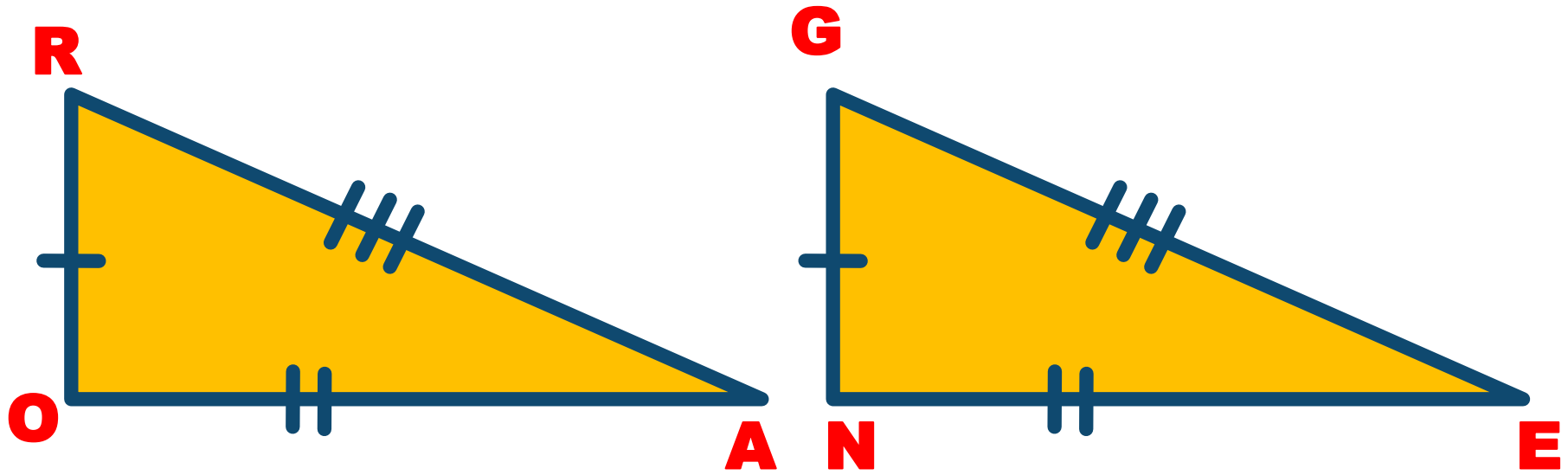
5.



6.



# What about congruent shapes?

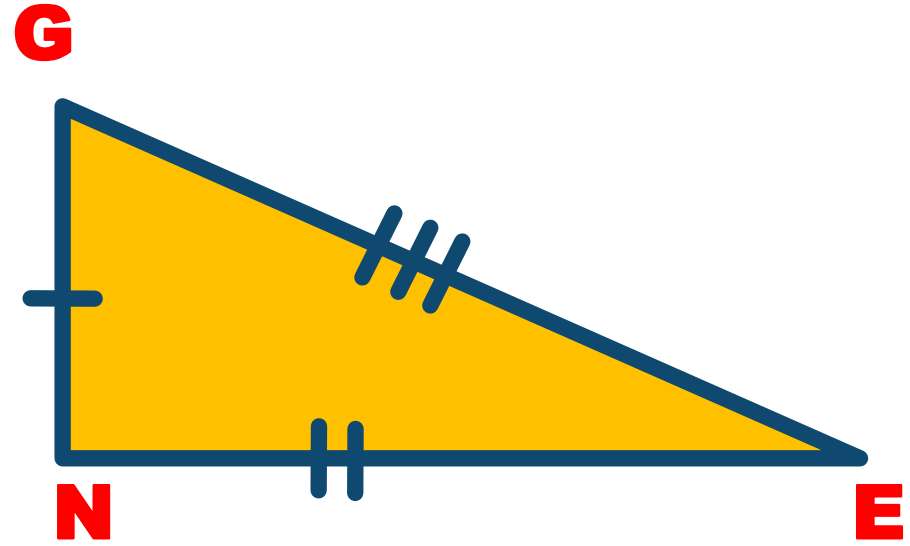
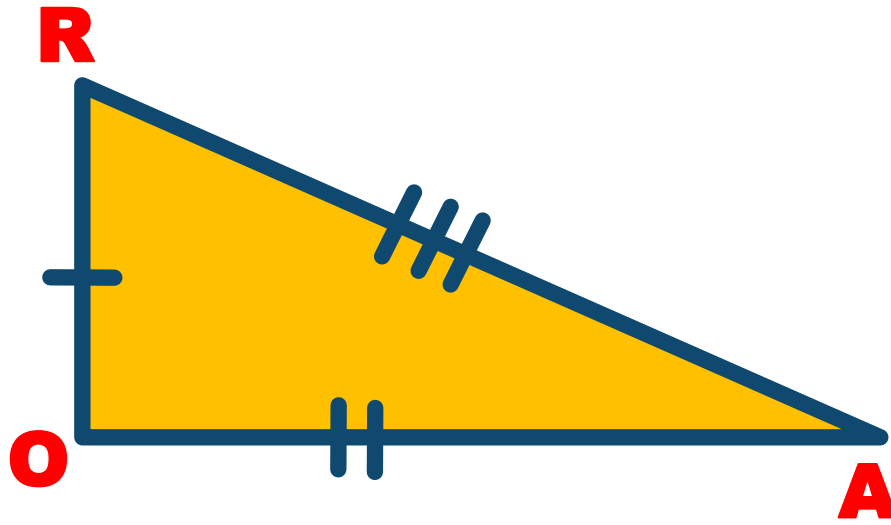


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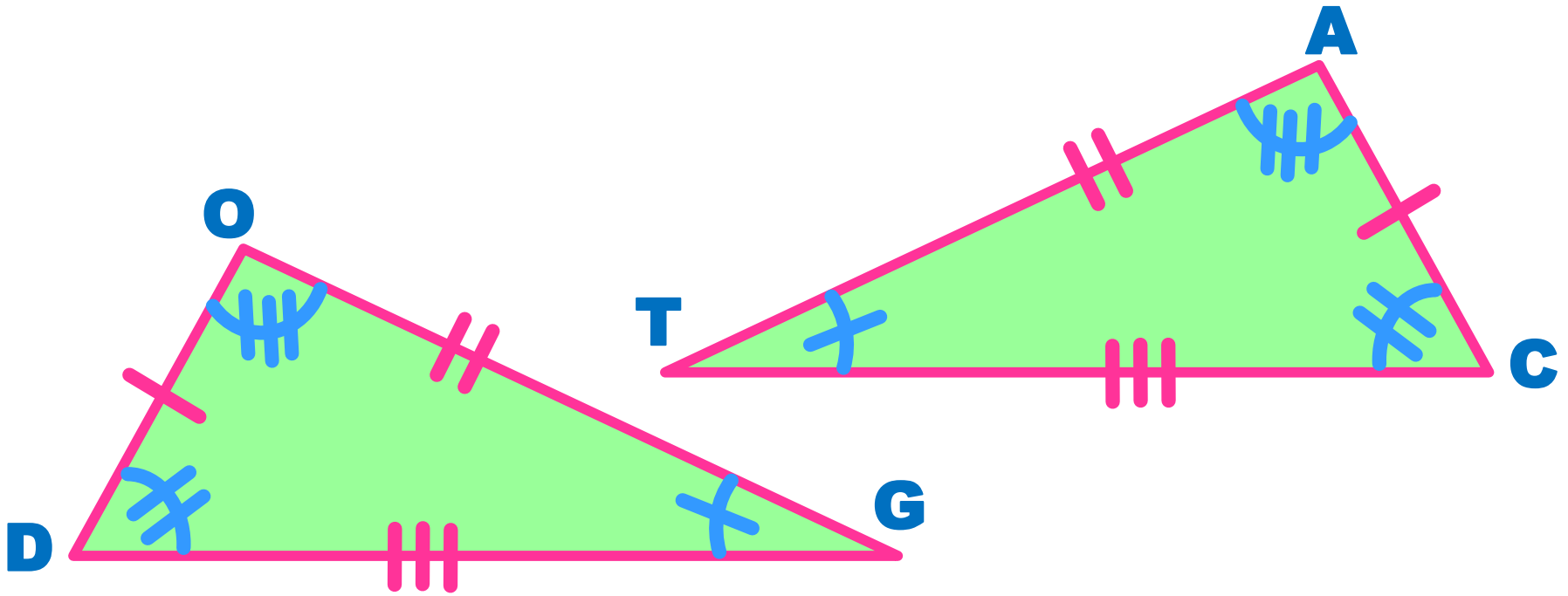
# Corresponding Parts of Congruent Figures



Corresponding Angles

Corresponding Sides

# Corresponding Parts of Congruent Figures



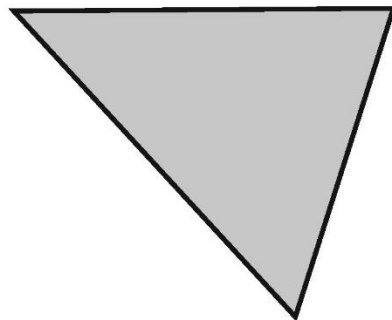
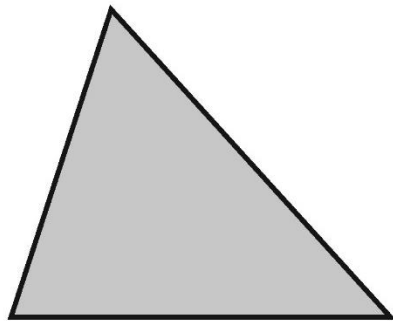
Corresponding Angles

Corresponding Sides

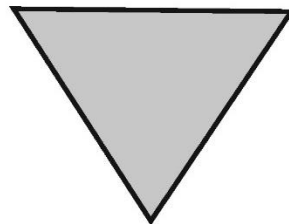
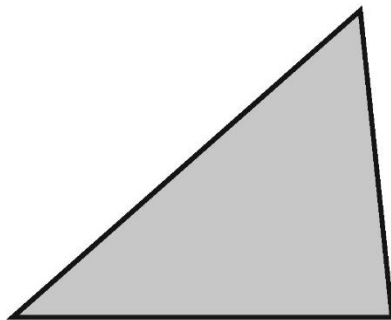
# Practice

Tell whether the triangles are *congruent* or *not congruent*.

1.



2.

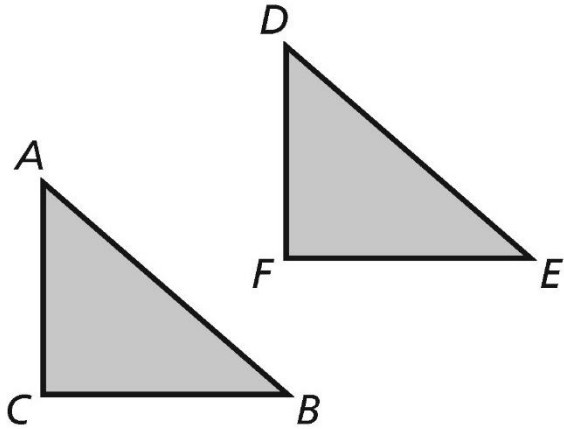




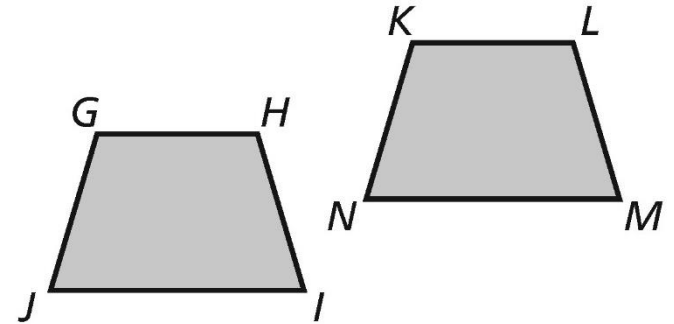
# Practice

The figures are congruent. Name the corresponding angles and the corresponding sides.

3.



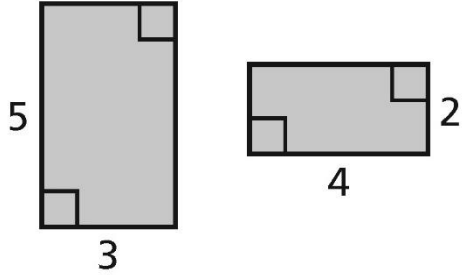
4.



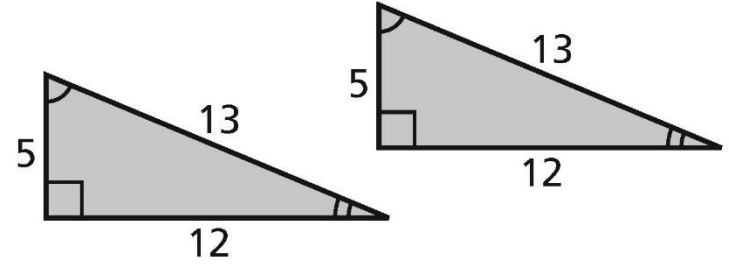
# Practice

Tell whether the two figures are congruent. Explain your reasoning.

5.

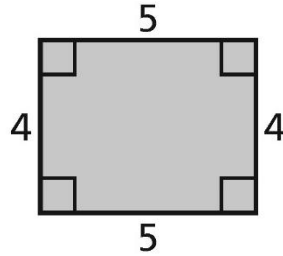
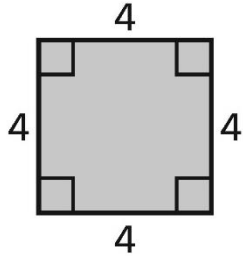


6.



# Practice

7. Describe and correct the error in telling whether the two figures are congruent.



Both figures have four sides and corresponding angle measures are equal. So, they are congruent.

# ACTIVITY

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Create **FOUR** different pairs of congruent shapes on the Geo Board

- Create the congruent shapes
- Screenshot it
- Put the pictures on Notability
- Showbie your activity

## The Four Pairs of Congruent Shapes

- 1) First Pair - Normal side-by-side**
- 2) Second Pair - One has to be flipped backwards**
- 3) Third Pair – One has to be upside-down**
- 4) Fourth Pair – Rotated 90 degrees**