

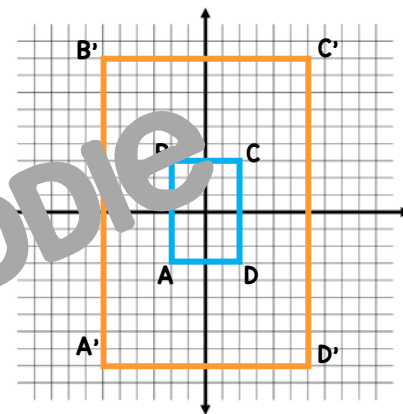
#1

Two figures are considered
 ----- if they are
 the same shape, their
 angles are equal, and their
 sides are proportional;
 however, their sides may
 be different sizes.

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#2

Rectangle ABCD is
 dilated to
 A'B'C'D'.
 What is the
 scale
 factor?



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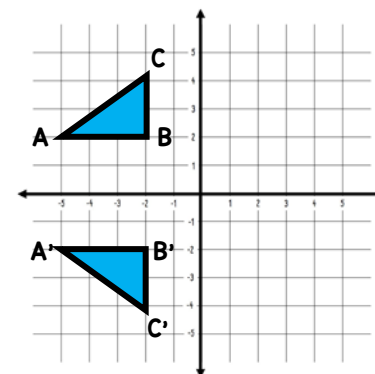
#3

Rectangle ABCD becomes
 Rectangle A'B'C'D' by a
 series of rotations,
 reflections, translations, and
 dilations. Is Rectangle
 A'B'C'D' always, sometimes,
 or never similar ABCD?
 Justify your answer.

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#4

What sequence
 of dilations,
 translations,
 rotations,
 and/or
 reflections of
 $\triangle ABC$ results in
 $\triangle A'B'C'$?



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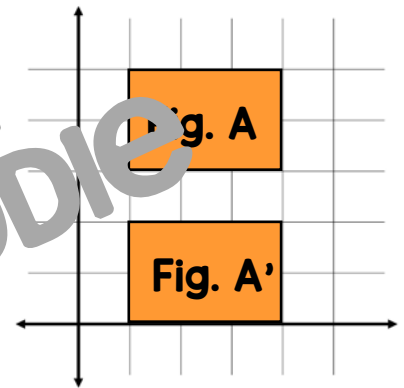
#5

**Compare the
terms
similarity and
congruence.**

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#6

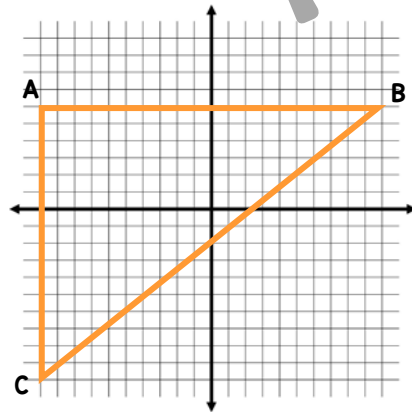
**True or False?
The figures
are similar**



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#7

**Write the
coordinates of
 $\triangle A'B'C'$ after a
dilation with a
scale factor of
 $\frac{1}{2}$, centered at
the origin.**



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#8

**Explain the
meaning of the
symbol:**

$\sim$

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Name

Date

Transformations and Similarity Task Cards

1	2	3	4	5	6
7	8	9	10	11	12