

Name :

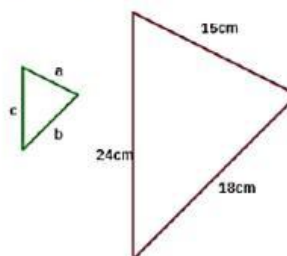
Grade

Investigate Reductions and Enlargements

Learning Objective : Understand the image that is the result of enlarging or reducing a preimage is not congruent to the preimage.

The green triangle is enlarged 3 times into the red triangle.

Find the lengths a , b , and c .


☐

$a = 6$ cm $b = 5$ cm and $c = 8$ cm

☐

$a = 5$ cm $b = 6$ cm and $c = 8$ cm

☐

$a = 8$ cm $b = 6$ cm and $c = 5$ cm

☐

$a = 5$ cm $b = 8$ cm and $c = 6$ cm

An equilateral triangle ABC of side 8 cm is reduced by half into triangle $A'B'C'$.
Select the sentence that best describes the triangle $A'B'C'$.

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$A'B' = 4$ cm and each
angle = 30°

☐

$A'B' = 16$ cm and each
angle = 60°

☐

$A'B' = 4$ cm and each
angle = 120°

☐

$A'B' = 4$ cm and each
angle = 60°

Ray uses a magnifying glass to read small printed text.
This is _____.

☐

a translation

☐

a rotation

☐

a reflection

☐

an enlargement

