Pre-AP Geometry
Name:_____

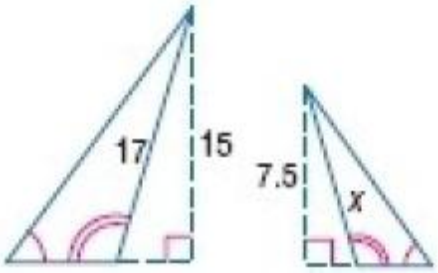
Per:_____

POINTS:____

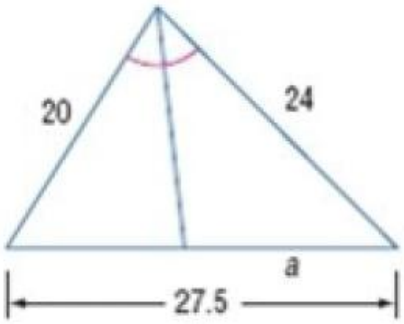
Homework #27 Quiz

Be sure to include your work when appropriate.

1. Find x.



2. Find a.



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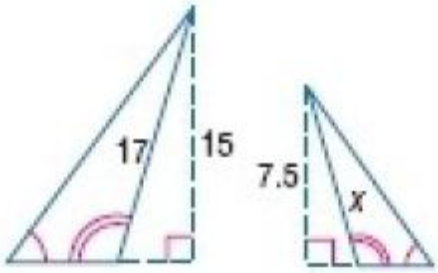

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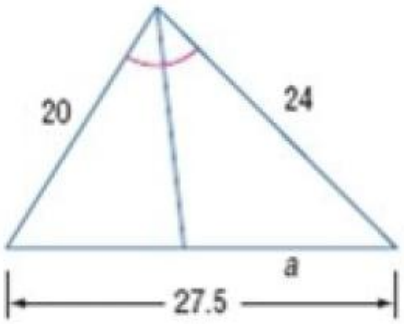
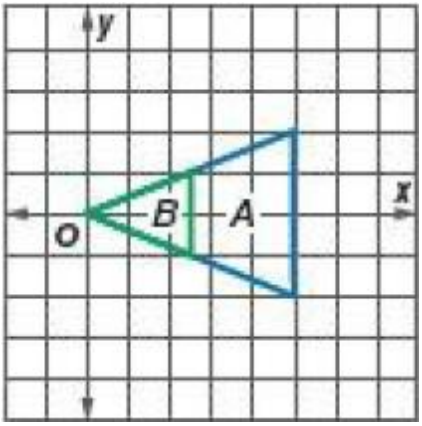


3. **Determine whether the dilation from *A* to *B* is an *enlargement* or a *reduction*. Then find the scale factor of the dilation.**



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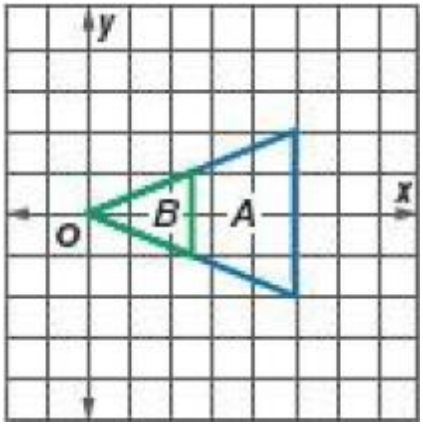
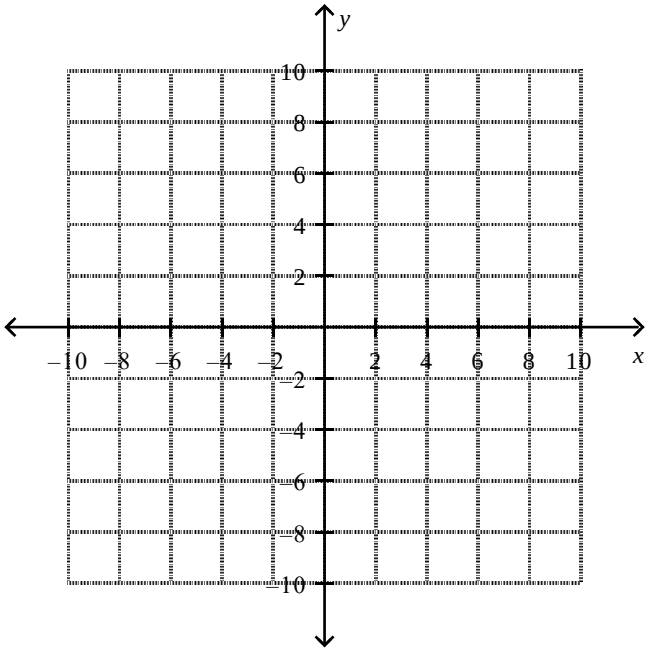


4. **Graph the original figure and its dilated image. Then verify that the dilation is a similarity transformation.**

M(1, 4), *P*(2, 2), *Q*(5, 5);
S(–3, 6), *T*(0, 0), *U*(9, 9)



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