Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_ Hour: \_\_\_\_\_\_\_\_

**Similar Polygons Quiz Review**

Solve each proportion. Show all work and place your answer on the line provided.















State if the polygons are similar and explain why or why not. Hint: look at SLRs and angles.



\_\_\_\_9. \_\_\_\_10.



A.) Yes, corresponding angles are and SLR are =

B.) No, corresponding angles are but SLR are NOT =

C.) No, SLR are = but corresponding angles are NOT

D.) No, SLR are NOT = AND corresponding angles are NOT

A.) Yes, corresponding angles are and SLR are =

B.) No, corresponding angles are but SLR are NOT =

C.) No, SLR are = but corresponding angles are NOT

D.) No, SLR are NOT = AND corresponding angles are NOT



\_\_\_\_11. \_\_\_\_12.



A.) Yes, corresponding angles are and SLR are =

B.) No, corresponding angles are but SLR are NOT =

C.) No, SLR are = but corresponding angles are NOT

D.) No, SLR are NOT = AND corresponding angles are NOT

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B.) No, corresponding angles are but SLR are NOT =

C.) No, SLR are = but corresponding angles are NOT

D.) No, SLR are NOT = AND corresponding angles are NOT

The polygons below are similar. Find the scale factor of the two similar figures.

13. $ABCD\~SPQR$ 14.$ VUTS\~ZWXY$



15. $GVSU\~CMAP$ 16. $DOGS\~CATZ$





The polygons below are similar. Find the value of the variable.

17.

18.



19.



20.