Math Sheet

Name _____ Score _____ Teacher _____ Date _____

Similar Polygons

Use the printed correspondence to decide similarity or find the smaller-to-larger scale factor. Check corresponding angles and side ratios.

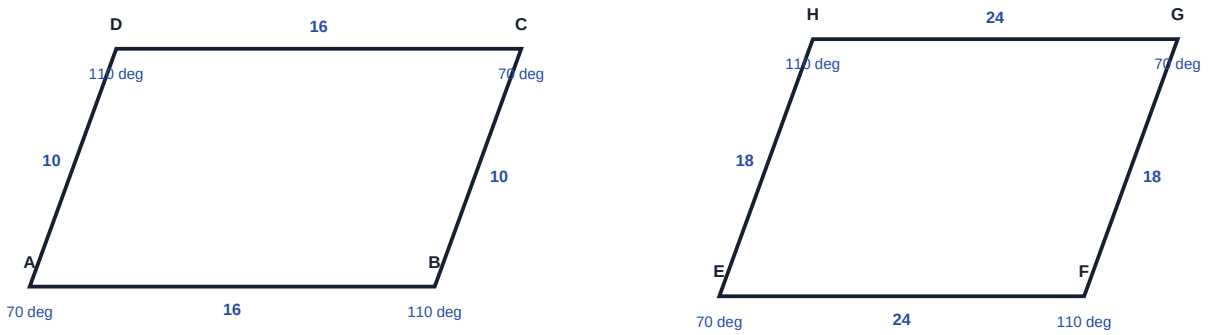
1. **Are these polygons similar? Justify using the printed correspondence.**

Correspondence: A<->E, B<->F, C<->G

Similar? _____

_____

2. **Are these polygons similar? Justify using the printed correspondence.**



Correspondence: A<->E, B<->F, C<->G, D<->H

Similar? _____

_____

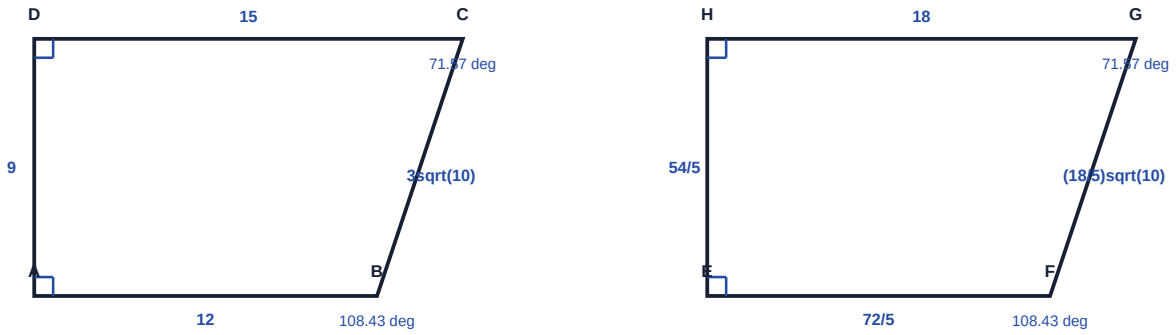
Diagrams are not to scale.

Name _____ Score _____ Teacher _____ Date _____

Similar Polygons

Use the printed correspondence to decide similarity or find the smaller-to-larger scale factor. Check corresponding angles and side ratios.

3. **Are these polygons similar? Justify using the printed correspondence.**

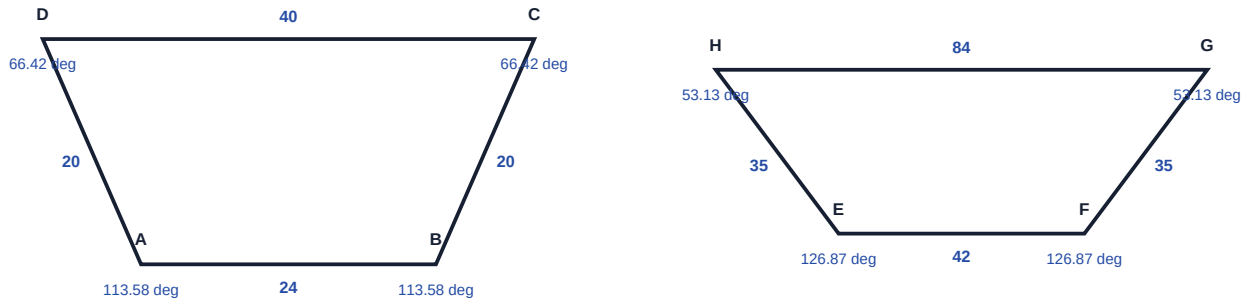


Correspondence: A<->E, B<->F, C<->G, D<->H

Similar? _____

_____

4. **Are these polygons similar? Justify using the printed correspondence.**



Correspondence: A<->E, B<->F, C<->G, D<->H

Similar? _____

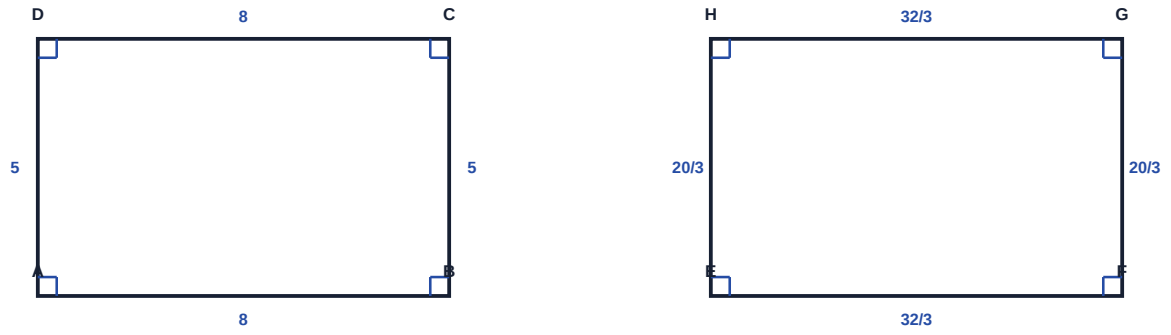
_____

Name _____ Score _____ Teacher _____ Date _____

Similar Polygons

Use the printed correspondence to decide similarity or find the smaller-to-larger scale factor. Check corresponding angles and side ratios.

5. **These polygons are similar. Find the scale factor from the smaller polygon to the larger polygon.**



Correspondence: A<->E, B<->F, C<->G, D<->H

Scale factor: _____

_____

6. **These polygons are similar. Find the scale factor from the smaller polygon to the larger polygon.**

Correspondence: A<->E, B<->F, C<->G

Scale factor: _____

_____

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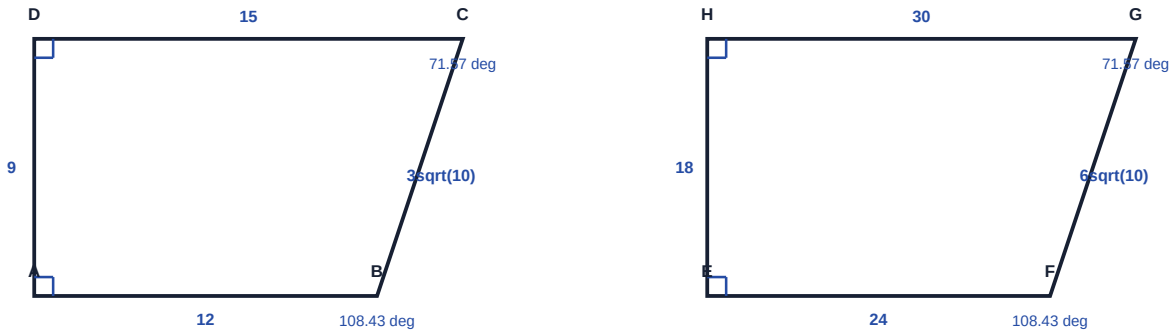
Similar Polygons

Use the printed correspondence to decide similarity or find the smaller-to-larger scale factor. Check corresponding angles and side ratios.

7. **These polygons are similar. Find the scale factor from the smaller polygon to the larger polygon.**

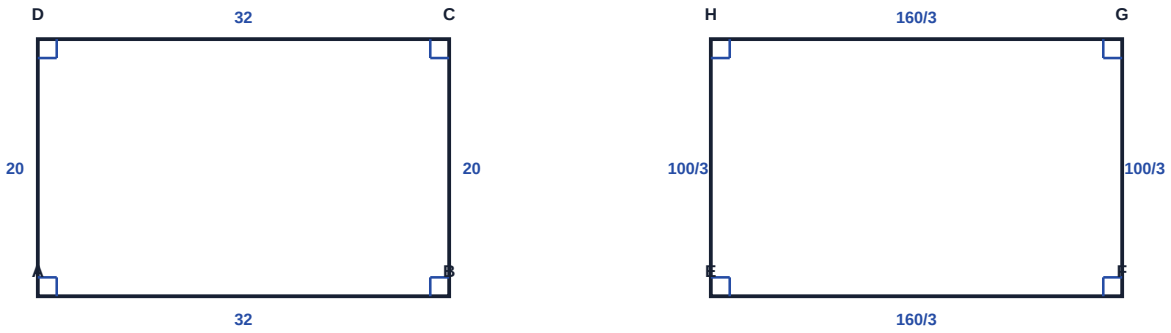


Correspondence: A<->E, B<->F, C<->G, D<->H

Scale factor: _____

_____

8. **These polygons are similar. Find the scale factor from the smaller polygon to the larger polygon.**



Correspondence: A<->E, B<->F, C<->G, D<->H

Scale factor: _____

_____