Pd

8.1 - 8.3 DAY THREE CYU

☑ Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

 ${\it G}$ Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

NUse when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Cross multiplication	1	2	3
Determining if polygons are similar	4, 12	5, 13	6, 14
Determining scale factors	. 7	8	
Using similarity to solve for x	9	10, 15	11, 16
Stating the similarity postulate	12	13	14
Completing similarity statements	12	13	14

8.1 Similar Polygons

Solve the Proportions.

1.
$$\frac{m}{8} = \frac{m+7}{9}$$

$$2.\frac{n}{n+1} = \frac{3}{5}$$

$$N = \frac{3}{2}$$

$$3.\frac{8}{3} = \frac{v-9}{7v+4}$$

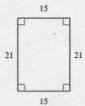
$$V = \frac{-59}{53}$$

State if the polygons are similar.

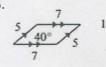
4.



yes ~



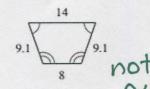
5.

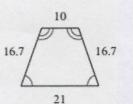


not AA~

not ~

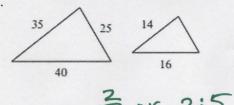
6



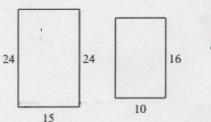


Find the scale factor of the smaller figure compared to the larger figure of the provided similar polygons.

7.



8.



16 3 or 2:3

