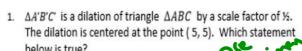
We are going to have another classwork check!

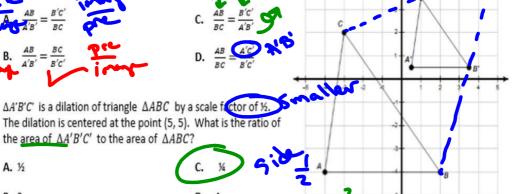
Please have your packets and scorecards out

on your desk.



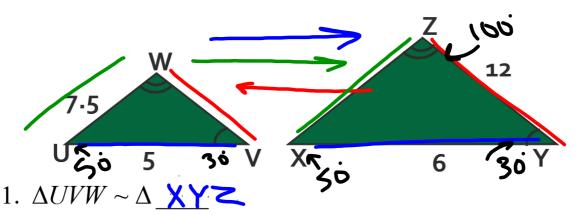
2. $\Delta A'B'C'$ is a dilation of triangle ΔABC by a scale factor of $\frac{1}{2}$.

the area of $\Delta A'B'C'$ to the area of ΔABC ?



A. 1/2

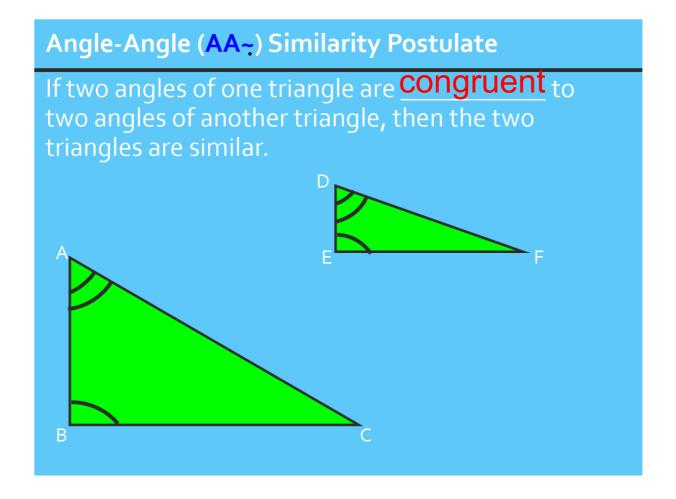
B. 2

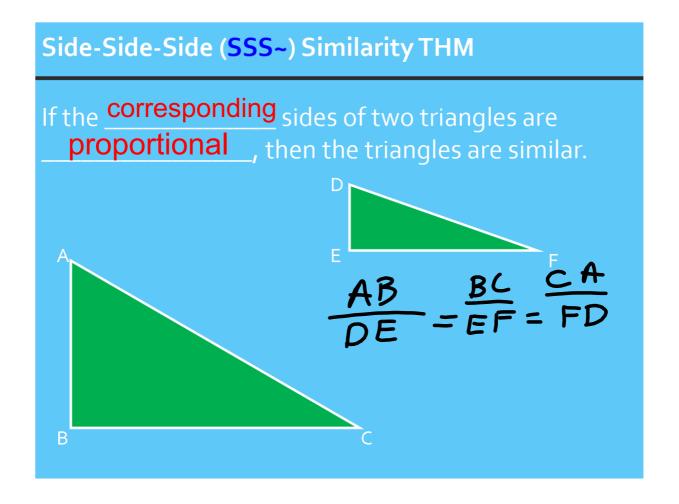


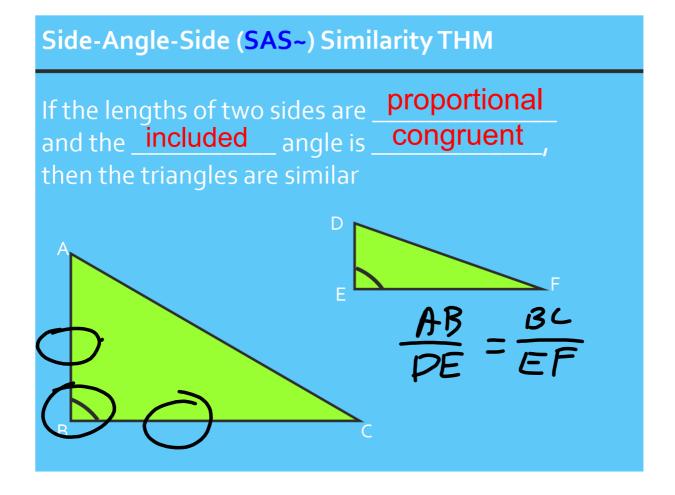
- 2. What is the scale factor of ΔUVW to ΔXYZ 3. What is VW? 12(2) 10 5:6
- 4. What is XZ? 7. $5(\frac{2}{5}) = 9$
- 5. If $m \angle U = 50^{\circ}$ and $m \angle Y = 30^{\circ}$, what is $m \angle Z$?

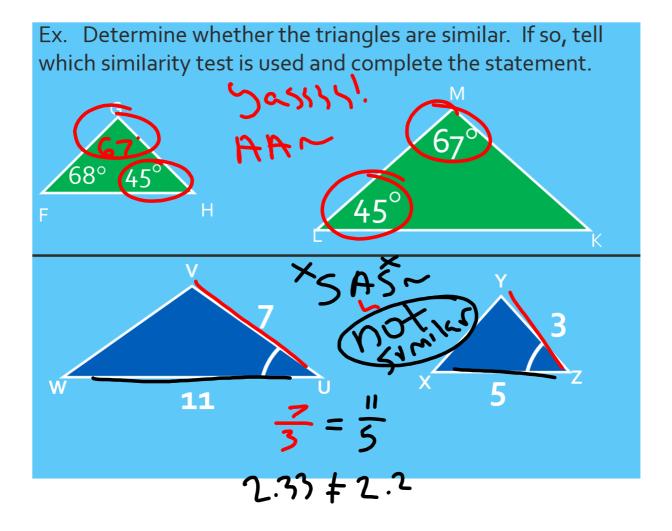
100

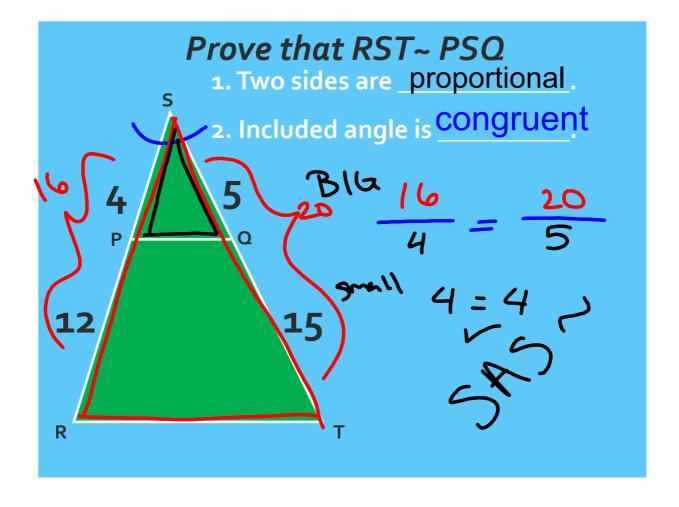


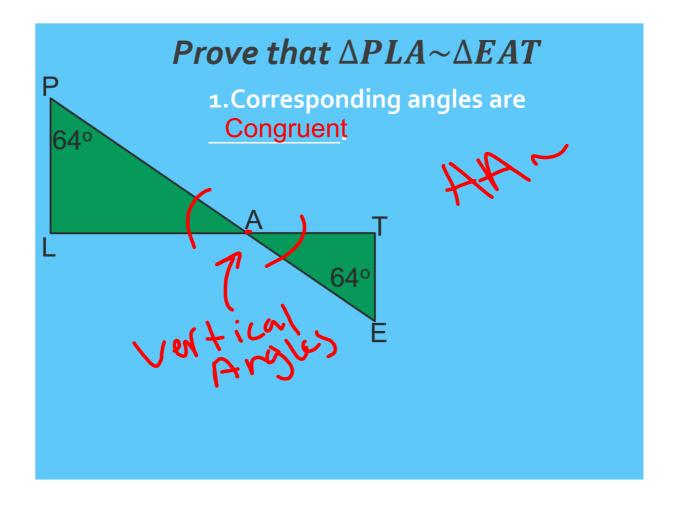






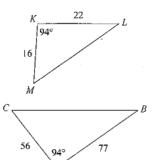






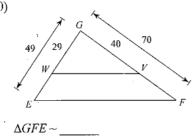
Analytic Geometry	Name	
Proving Triangles Similar	Date	Period
Decide if the triangles in each pair are similar. If so, st SAS~, or AA~. Show all work. 1) 77 33 36 36 37 38 36 37 38 38 38 38 38 38 38 38 38	2) D E 25 55	3A3~ 5_51
ΔBCD~ <u>Nah</u> , bruh 3) F	ACDE ~ Mah, bruh	16,25 3A5~
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	48 F F F AHGF ~ AHGF ~ AHRS	1.83 = 1.83
AEFG~_Nope.	$ \begin{array}{c c} S \\ \hline 21 \\ 21 \\ E \\ \end{array} $	
$\Delta TSR \sim 10^{10} \text{ M}$	28 G ΔFGH ~	
ΔKLM~		

8)

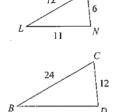


ΔABC ~ _____

10)



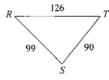
12)



 $\Delta BCD \sim$ _____

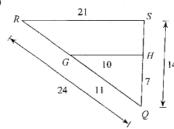
9)





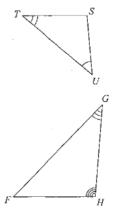
 $\Delta RST \sim$

11)



 $\Delta QRS \sim$ _____

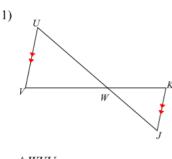
13)



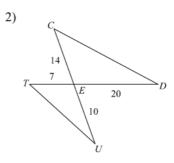
 $\Delta FGH \sim$ _____

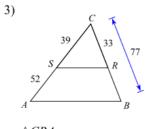
Geometry	Name		ID: 1
© 2017 Kuta Software LLC.	All rights reserved.		
Proving Triangles Similar		Date	Period

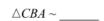
State if the triangles in each pair are similar. If so, state how you know they are similar and complete the similarity statement.

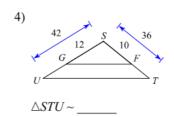


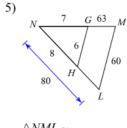
$$\triangle WVU \sim$$



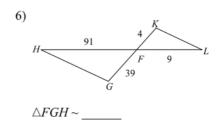




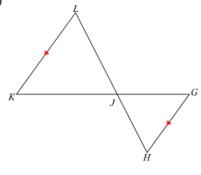




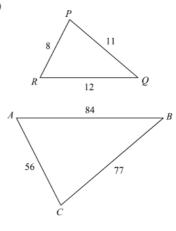




7)



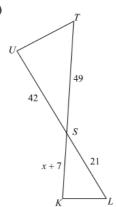
8)



 $\triangle CBA \sim$

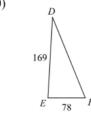
Solve for x. The triangles in each pair are similar.

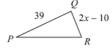
9)



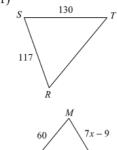
 $\triangle JKL \sim$ ___

10)

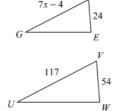




11)

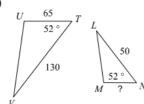


12)

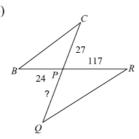


Find the missing length. The triangles in each pair are similar.

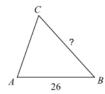
13)



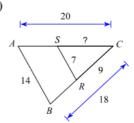
14)



15)



16)



Answers to Proving Triangles Similar (ID: 1)

- similar; AA similarity; △WKJ
 similar; SAS similarity; △CRS
 similar; SSS similarity; △NGH
 similar; AA similarity; △JGH
- 9) 11 10) 14 13) 25 14) 104
- 2) similar; SAS similarity; $\triangle EUT$ 4) not similar
- 6) not similar
- 8) similar; SSS similarity; △*PQR* 11) 9 12) 8 15) 28 16) 10