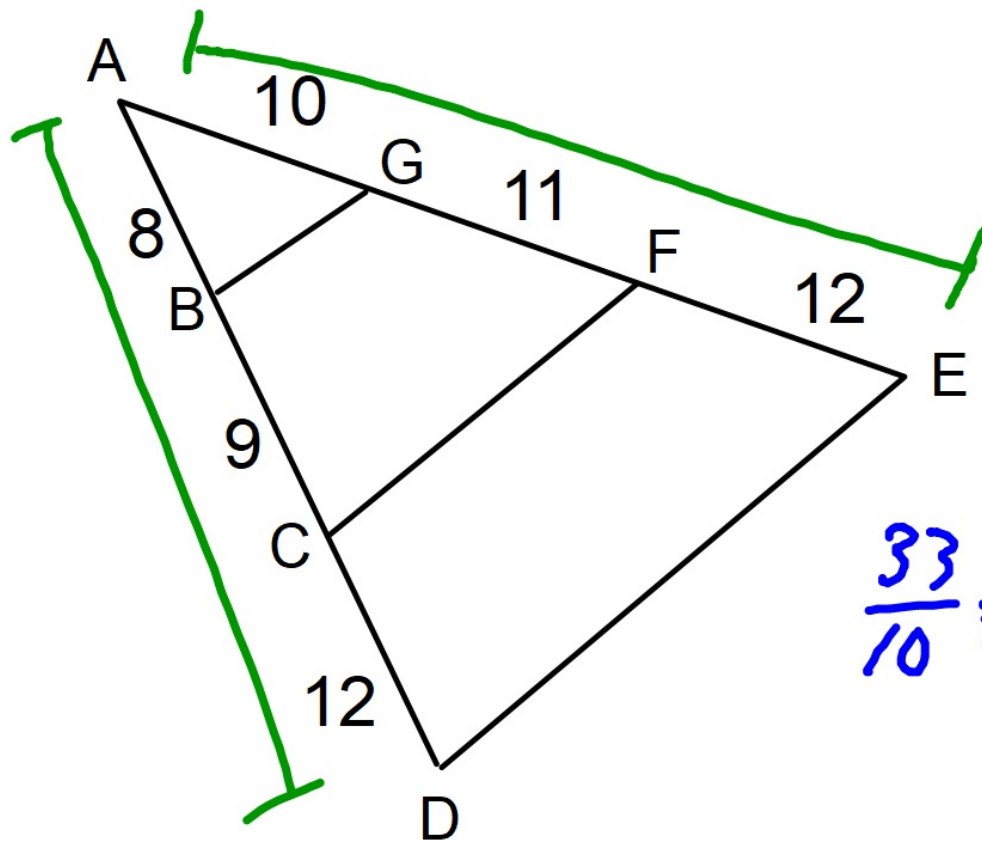
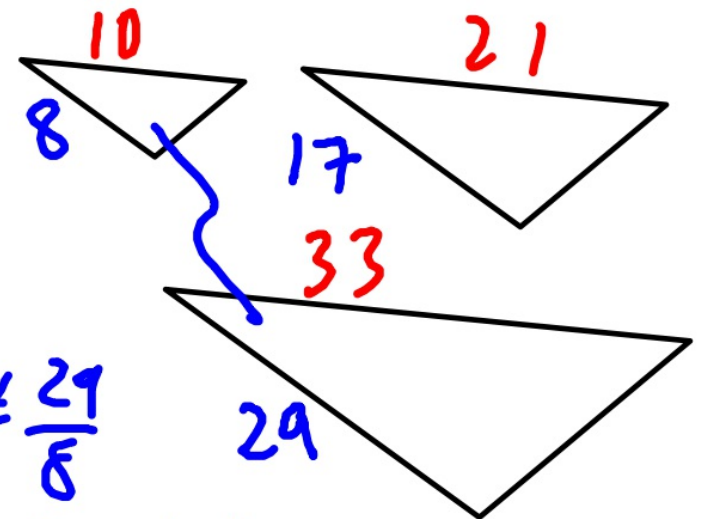


Good morning: warm up in notes



Are any of \overline{BG} , \overline{CF} , or \overline{DE} parallel? Justify.



$$\frac{33}{10} \neq \frac{29}{8}$$

Reminders:

- tutoring tomorrow 4-5p
- assess: Weds

Practice Assessment

Take 12 minutes to work privately, like a real test

Will trade papers with partner, make comments, "grade" them

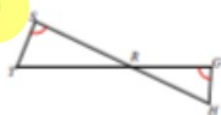
HW

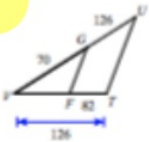
finish the practice assessment, check solutions/help vids
at mgeo.weebly.com

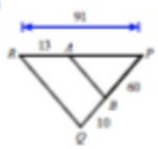



Good afternoon: attach warm up to notes, then do #1, 2, 5, 6, 8

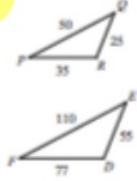
Honors Geometry
Similar Triangle Criteria
 Are the triangles in each pair similar? If so, state how you know they are similar (SSS-, SAS-, or AA-) and complete the similarity statement.

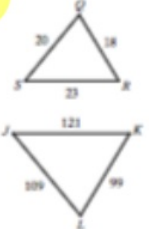
1) 
 $\triangle RST \sim$ _____


2) 
 $\triangle VUT \sim$ _____


3) 
 $\triangle PQR \sim$ _____

4) 
 $\triangle DCB \sim$ _____

5) 
 $\triangle FED \sim$ _____

6) 
 $\triangle KJL \sim$ _____

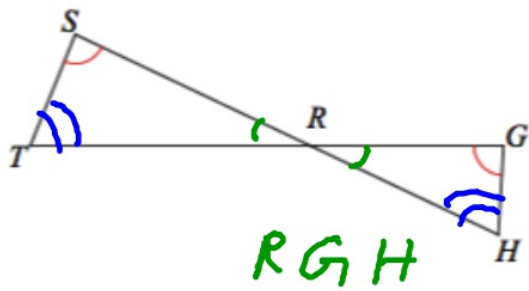
7) 
 $\triangle KJL \sim$ _____

8) 
 $\triangle KJL \sim$ _____

You will need
 your textbook today
 Don't expect to
 leave to go get it later

Reminders:
 - tutoring tomorrow 4-5p
 - assess: tomorrow

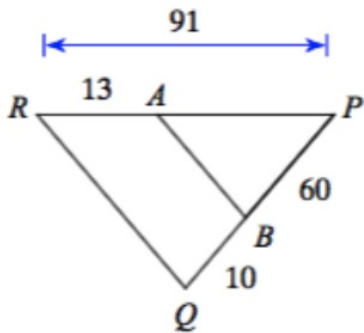
1)



RGH

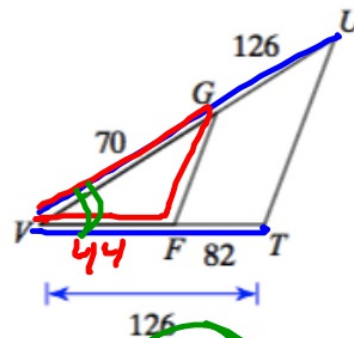
$\triangle RST \sim \underline{AA}$

3)



$\triangle PQR \sim \underline{\hspace{2cm}}$

2)

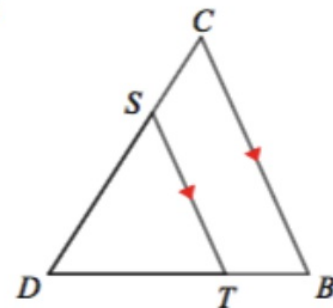


$$\frac{196}{70} \neq \frac{126}{44}$$

$$\approx 2.8 \neq 2.86$$

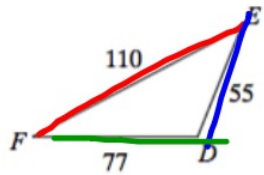
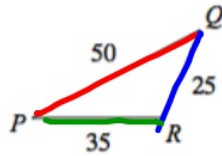
$\triangle VUT \sim \underline{NO}$

4)



$\triangle DCB \sim \underline{\hspace{2cm}}$

5)



$\triangle FED \sim \triangle PQR$

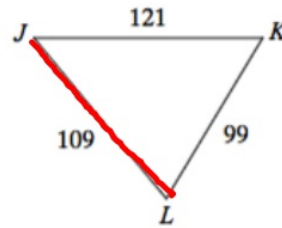
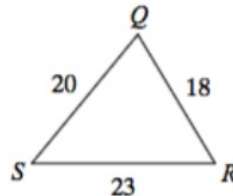
SSS

$$\frac{110}{50} = 2.2$$

$$\frac{55}{25} = 2.2$$

$$\frac{77}{35} = 2.2$$

6)



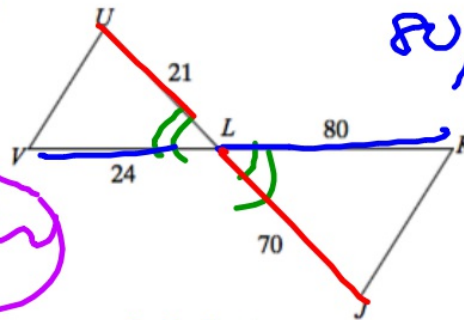
$\triangle LKJ \sim$ _____

$$\frac{121}{23} = \frac{109}{20} = \frac{99}{18}$$

$5.26 \neq 5.45 \neq 5.5$

No

8)



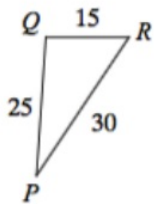
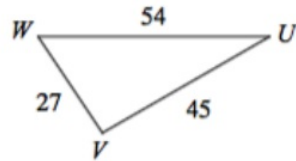
$$\frac{80}{24} = 3.\bar{3}$$

$$\frac{70}{21} = 3.\bar{3}$$

SAS

$\triangle LKJ \sim \triangle LVU$

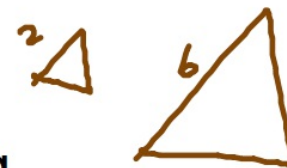
7)



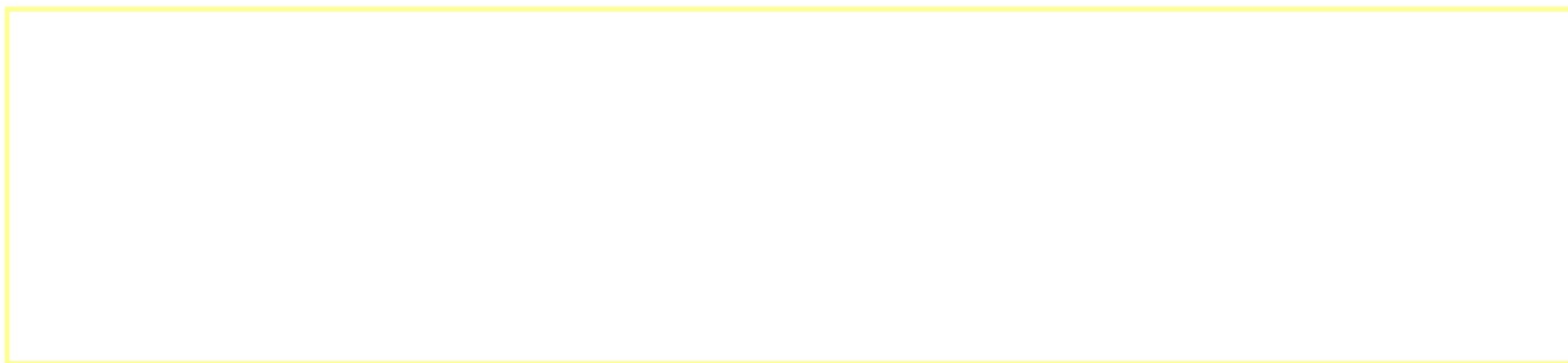
$\triangle UVW \sim$ _____

We'll go over the p. 260 #7-14 hw tomorrow

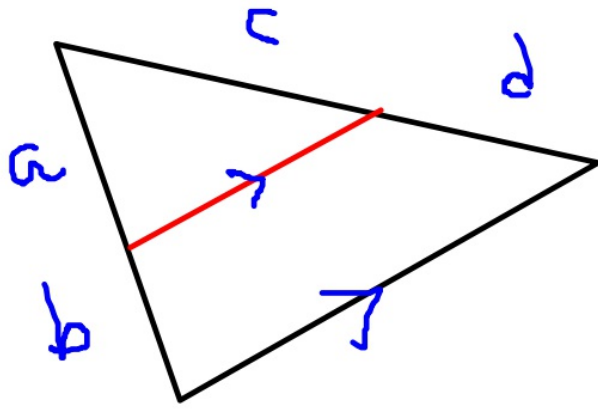
What did we learn about similarity?



- proportions: setting up consistently, solving
- dilations: on and off the grid; center at origin and not;
scale factor $>$ vs. $<$ 1
- relationship between linear and area scale factors
- how to show two triangles are similar ($AA\sim$, $SSS\sim$, $SAS\sim$)



Triangle Proportionality Theorem + Converse



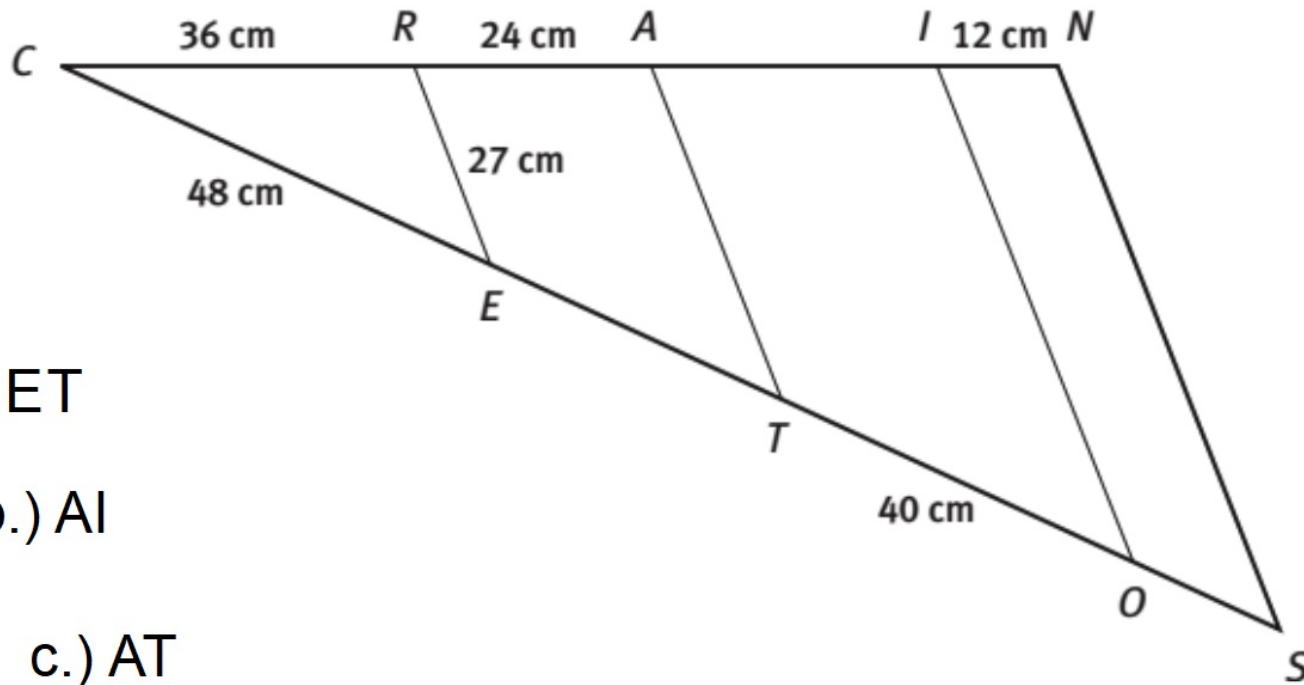
If parallel, then

$$\frac{a}{b} = \frac{c}{d}$$

p. 268

12. Attendance
distance

11. Given: $\overline{RE} \parallel \overline{AT} \parallel \overline{IO} \parallel \overline{NS}$. Determine each length. Show your work.



a.) ET

b.) AI

c.) AT

Practice Assessment

Mark which ones you feel confident doing
Mark which ones you are unsure about so far

Use time in class to work on latter set

HW

finish the practice assessment, check solutions/help vids
at mgeo.weebly.com
