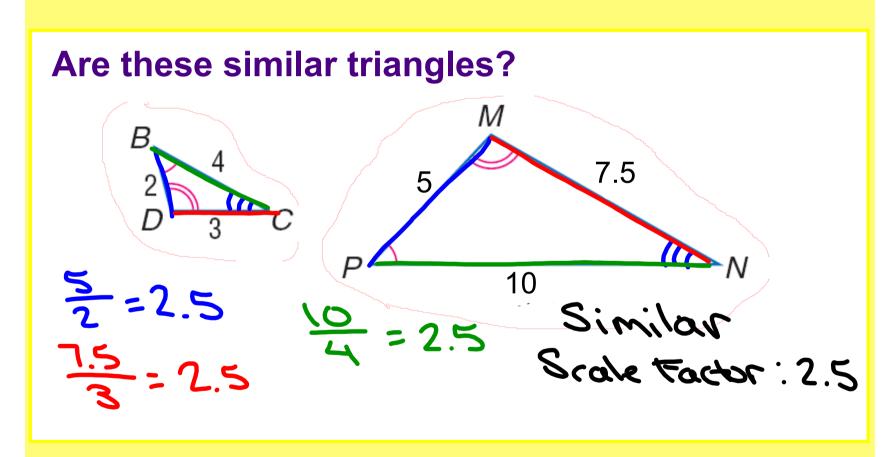
1/21/20 - Warm Up Problem

Which TV screen is a similar rectangle to the movie screen? What is the scale factor?



Section 7.3 - Proving Triangles Similar

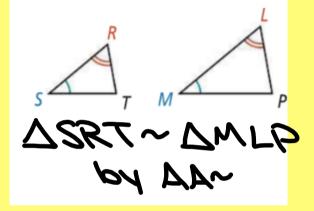
Goals: Identify similar triangles
Use similar triangles to solve problems



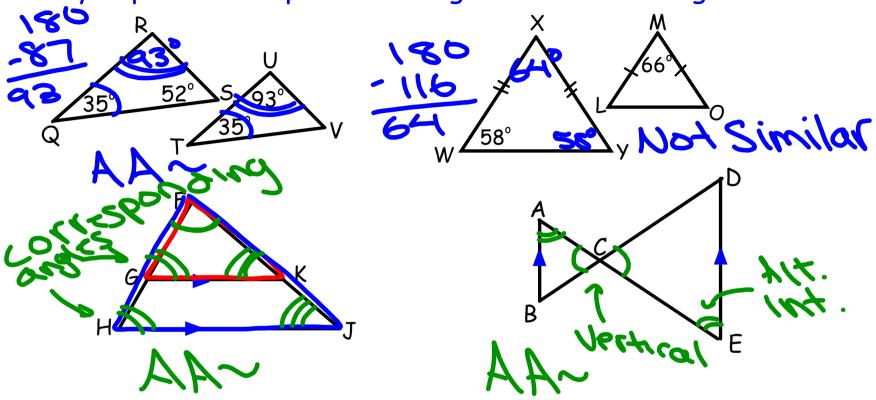
Shortcuts for Determining if Triangles are Similar

ANGLE-ANGLE SIMILARITY
POSTULATE (AA~)

If two angles of one triangle are
congruent to two angles of
another triangle, then the
triangles are similar.



Can you prove each pair of triangles is similar using AA?

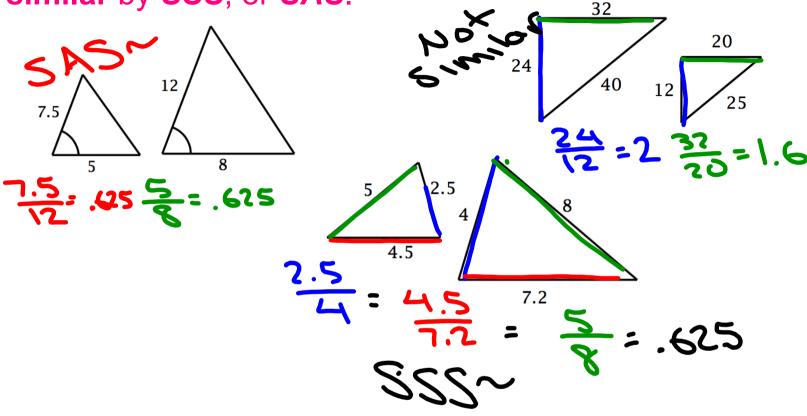


Shortcuts for Determining if Triangles are Similar

SIDE-SIDE-SIDE SIMILARITY
THEOREM (SSS~)
If the corresponding sides of two triangles are proportional, then the triangles are similar.

Shortcuts for Determining if Triangles are Similar

 Determine whether each pair of triangles can be proven similar by **SSS**, or **SAS**.



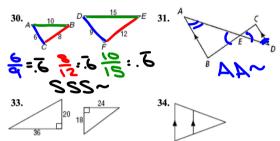
Assignment:

Concept 17 Worksheet

-last page and anything other parts you need to finish

PROVING TRIANGLES ARE SIMILAR

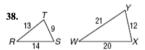
Determine whether each pair of triangles is similar. Name which postulate proves it. If they are not similar write "not similar."











Each pair of triangles is similar. Write and solve a proportion to find the value of x.

