Math 9 Notes - LG 12<br>Similar Triangles<br>Watch: https://youtu.be/pBMKGOe9Q4E

Triangles


Similar Triangles

Share 2 equal angles OR have 2 proportional sides


B

Corresponding - means matching

## Example:



| Corresponding Angles | Corresponding Sides |
| :--- | :---: |
|  |  |

$\frac{\text { small triangle }}{\text { big triangle }} \quad \square=\square$

Orientation doesn't matter:


AND we can use ratios to calculate unknown sides!



Ratios of corresponding sides are also called SCALE FACTORS:

$$
\frac{\mathrm{AB}}{\mathrm{DE}}=
$$

