

| III. How to prove triangles are... |  |
| :---: | :---: |
| Congruent | Similar |
| SSS | SSS |
| All 3 sides are the same | All 3 sides are proportional |
| SAS - 2 sides and 1 connecting angle are the same | SAS - 2 proportional sides and 1 connecting equal angle |
| ASA - 2 angles and 1 connecting side are the same | AA any 2 angles are the same |
| AAS - 2 angles and 1 non-connecting side are the same |  |
| HL - 2 sides and 1 non-connecting RIGHTS angle are the same | $\operatorname{sSA} a \operatorname{lig}_{a} \mathrm{~m}^{l l}$ |


II. How to know triangles are...

IV. Similar - How to find the scale factor:

B. If they are similar, all of the fractions will be equal (the sides are proportional). That fraction is the scale factor.

Example 3: Similarity




