

Triangle
Similarity

SAS~

Triangle
Similarity

AA~

Triangle
Similarity

SSS~

Proportions

Similar
Figures

Scale
Drawings

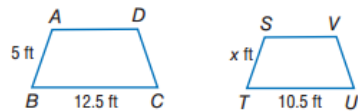
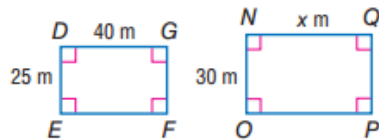
Cross multiplication:

Solve the following proportions

a. $\frac{x-4}{x+3} = \frac{5}{6}$ b. $\frac{3}{2x+5} = \frac{3}{21}$

Similar Figures:

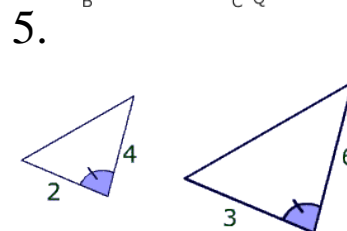
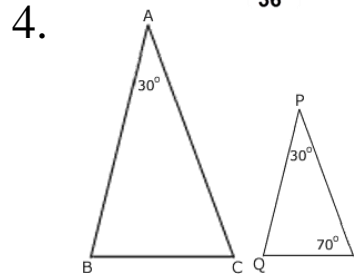
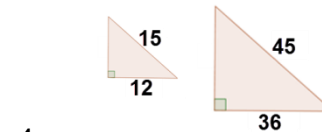
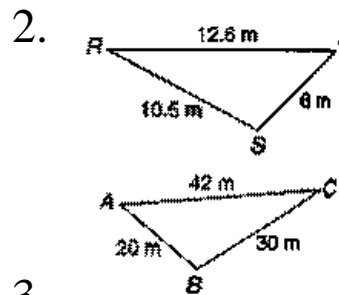
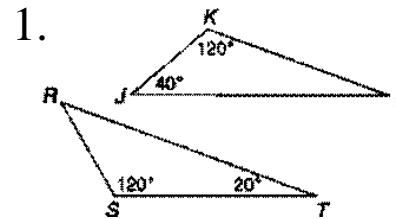
Find the value of x in the similar figures below



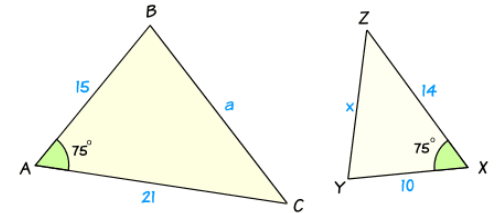
Scale Drawing Example:

A utility worker is 5.5 feet tall and is casting a shadow 4 feet long. At the same time a nearby utility pole casts a shadow 20 feet long. Write and solve a proportion to find the height

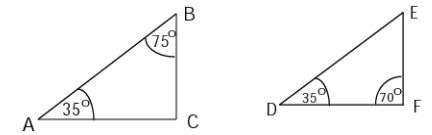
Determine how the following triangles are similar



SAS Triangle Similarity



AA Triangle Similarity



SSS Triangle Similarity

