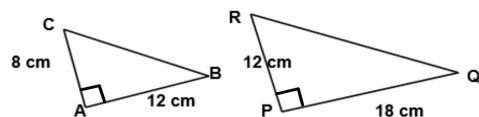


Trig and Similar Triangles

1. $\triangle ABC$ is similar to $\triangle PQR$.



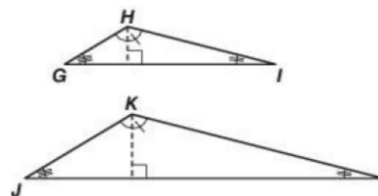
1. Find $\tan B$

2. Find $\tan Q$

What do you notice about Angles B and Q?

What do you remember about similar triangles?

2. If $\triangle GHI$ is similar to $\triangle JKL$, which angles are congruent?



1. Would $\sin I = \cos L$?

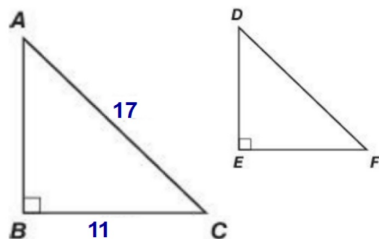
2. Would $\sin I = \sin L$?

3. Would $\cos I = \tan L$?

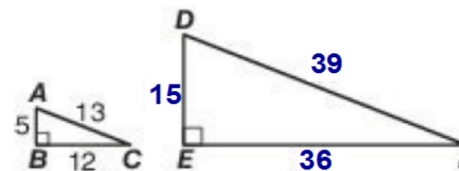
4. Would $\cos I = \sin L$?

3. Given $\triangle HIJ \sim \triangle KLM$ and $\sin J = 4/9$, find $\sin M$.

4. The diagram below shows two right triangles with the side measurements indicated. If $\triangle ABC \sim \triangle DEF$, find $\tan(\angle F)$.



5. Given $\triangle ABC \sim \triangle DEF$ and the given sides, which fractions represent $\cos A$ and $\cos D$?



6. Given the graphed triangles, what is the relationship between $\tan C$ and $\tan E$?

