



Similar Triangles

Today's Learning Targets:

4.6 I can justify if two triangles are similar when given various information about them.

Similar Figures

- Have the _____, but not the _____
- Angle measures - _____
- Side lengths - _____
- Corresponding sides - have an _____

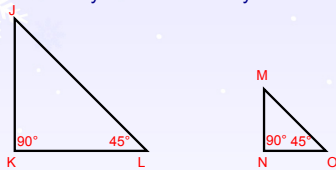
The symbol \sim means similar to

$$\triangle ABC \sim \triangle XYZ$$



Similar Triangles?

Write a similarity statement if they are similar.

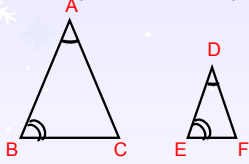


How do you know?

$\triangle JKL \sim \triangle MNO,$

Unit 4 - 4.6

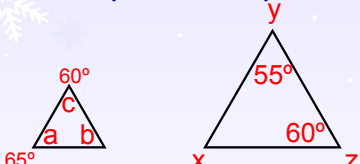
Similar Triangles?
Write a similarity statement if they are similar.



How do you know?

$\triangle ABC \sim \triangle DEF,$

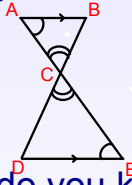
Similar Triangles?
Write a similarity statement if they are similar.



How do you know?

$\triangle abc \sim \triangle xyz,$

Similar Triangles?
Write a similarity statement if they are similar.



How do you know?

$\triangle CAB \sim \triangle CED,$

Unit 4 - 4.6

Similar Triangles?
Write a similarity statement if they are similar.

How do you know?

Corresponding sides AB & BC and XY & YZ:

Similar Triangles?
Write a similarity statement if they are similar.

How do you know?

Similar Triangles?
Write a similarity statement if they are similar.

The green lines are transversals that intersect the two black parallel lines.

Are $\triangle ABC$ and $\triangle DEC$ similar?

How do you know?
