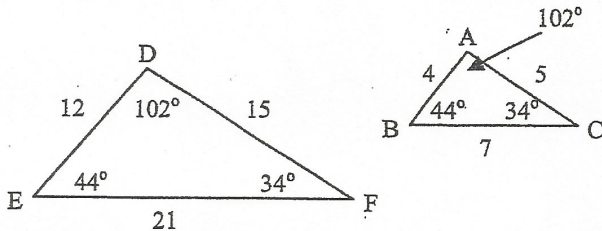


Similar Figures and Corresponding Parts

Use the triangles below to answer the following questions.



1. Which angle corresponds to $\angle A$?
2. Which angle corresponds to $\angle B$?
3. Which angle corresponds to $\angle C$?
4. Does each angle and its corresponding angle have the same measurement, Yes or NO?
5. Which side corresponds to \overline{AB} ?
6. Which side corresponds to \overline{CB} ?
7. Which side corresponds to \overline{AC} ?
8. What is the ratio of side \overline{AB} length to the length of its corresponding side?
9. What is the ratio of side \overline{BC} length to the length of its corresponding side?
10. What is the ratio of side \overline{AC} length to the length of its corresponding side?

*Write
in fraction
form
using the
lengths of
the sides*

Given $EFGH \sim JKLM$, tell whether the statement is true or false.

11. $\angle F$ and $\angle J$ are corresponding angles.
12. \overline{GH} and \overline{LM} are corresponding sides
13. $\angle H$ and $\angle M$ are corresponding angles.
14. \overline{HE} and \overline{MJ} are corresponding sides
15. \overline{FG} and \overline{KL} are corresponding sides
16. $\angle G$ and $\angle K$ are corresponding angles
17. Suppose $\triangle CAN \sim \triangle JOY$. If $m\angle A = 96^\circ$, $m\angle N = 46^\circ$ and $m\angle C = 38^\circ$, then $m\angle Y = \underline{\hspace{2cm}}$, $m\angle J = \underline{\hspace{2cm}}$ and $m\angle O = \underline{\hspace{2cm}}$.

*Remember ~
means
similar to!*