

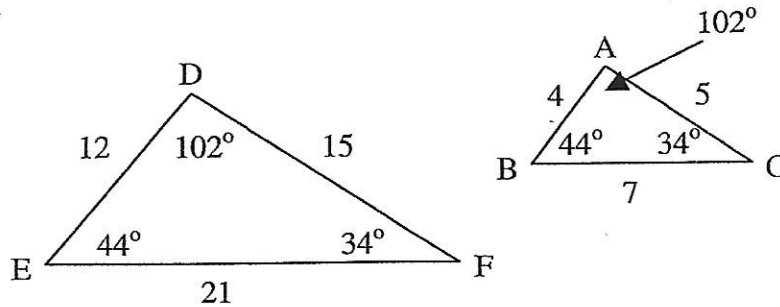
Name _____

Date _____

Exploring Similar Figures

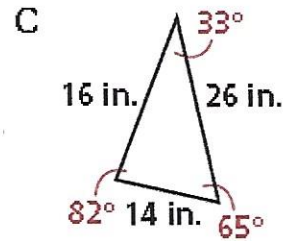
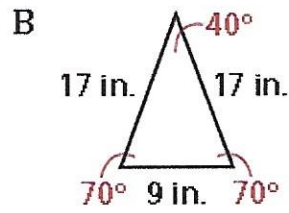
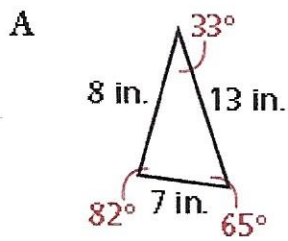
*** Homework ***

Use the triangles below to answer the following questions.



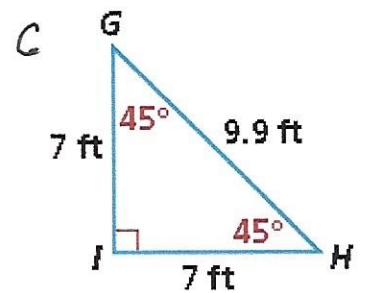
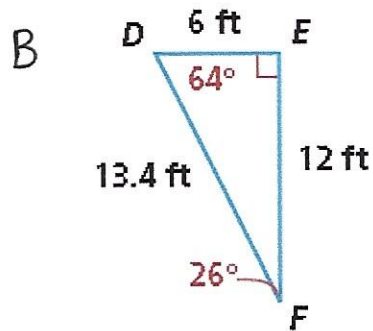
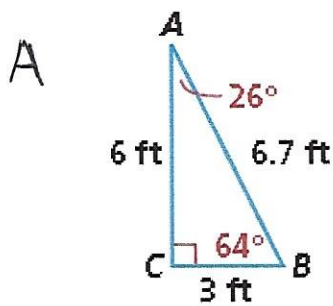
1. Which angle corresponds to $\angle A$? _____
2. Which angle corresponds to $\angle B$? _____
3. Which angle corresponds to $\angle C$? _____
4. Does each angle and its corresponding angle have the same measurement, Yes or NO?
5. Which side corresponds to \overline{AB} ? _____
6. Which side corresponds 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? _____
11. What are the ratios equal to in lowest terms? _____
12. Are all three ratios equal, Yes or NO?
13. What is the scale factor of $\triangle ABC$ to $\triangle DEF$? _____
14. Are the triangles similar? _____

15)
a) Which triangles are similar?



b) Why are they similar?

16)
a) Which triangles are similar?



b) Why are they similar?