Name _		
Per	Date	 _

Determine if the triangles are similarity. If they are similar, complete the similarity statement, state why they are similar, and give the little to big ratio if possible.



Who is correct? Explain your reasoning.

rs = km

rm = ks

Fill in each proof:



13. A lighthouse casts a 128-foot shadow. A nearby lamppost that measures 5 feet 3 inches casts an 8-foot shadow.

- A. 5 feet 3 inches is 5.\_\_\_\_\_ feet.
- B. Write a proportion that can be used to determine the height of the lighthouse.
- C. What is the height of the lighthouse?

## Find the little to big ratio, set up a proportion, and solve for each variable.





