

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## **Roof Height 2**

The rafters on a  $5/12$  pitch roof rise 5 inches for every 12 horizontal inches; the rafters on a  $6/12$  pitch roof rise 6 inches for every 12 horizontal inches.

Your house is  $x$  feet wide on the end and has a peak running along the center of the house. You are trying to decide between a  $5/12$  pitch and a  $6/12$  pitch for your roof. How much higher will the  $6/12$  pitch roof be than the  $5/12$  pitch roof?

*Show your work, and write your answer in a complete sentence.*