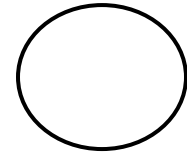


Name: _____ Per: _____



Trigonometry
Week of _____ Openers
SHOW ALL WORK FOR FULL CREDIT

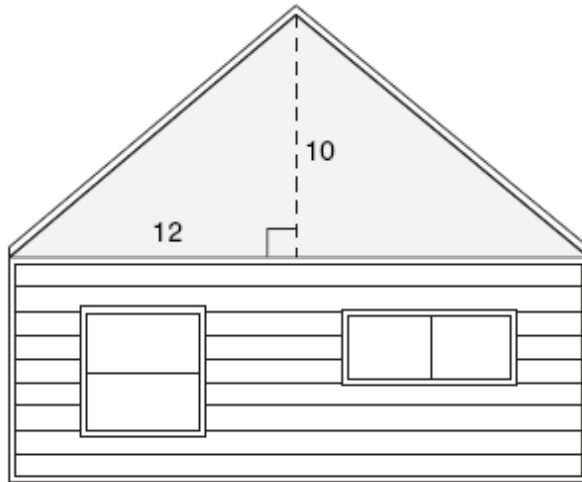
Date

Opener

Answers

BUILDING For Exercises 1–4, use the following information.

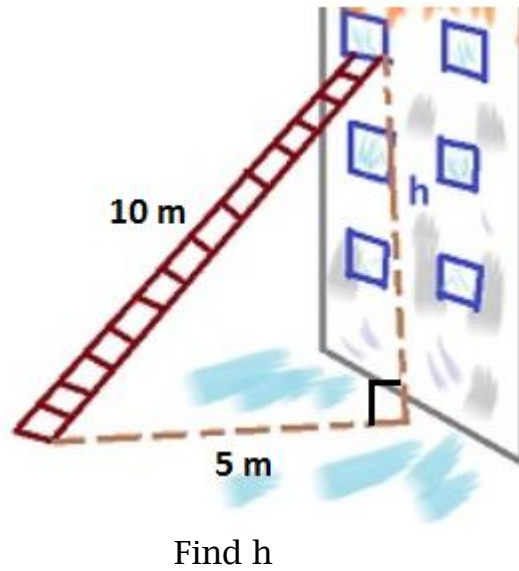
The roof on a house is built with a pitch of $10/12$, meaning that the roof rises 10 feet for every 12 feet of horizontal run. The side view of the roof is shown in the figure below.



1. What is the angle at the base of the roof?

2. What is the angle at the peak of the roof?

3. What is the length of the roof?



In the diagram above, what the is the angle of elevation from the base of the ladder to the bottom of the window?

If you are standing on an 100 foot building and you see someone you know 30 feet from the building, what is the angle of depression to the person you know?