

Period: _____

Date: _____

ALL work must be done in the grid below.

A diagram of a triangle with a horizontal base. A vertical line segment is drawn from the top vertex to the base, representing the height. The base is labeled "10 ft." and the height is labeled "6ft.".

- Given this roof plan, determine the slope.
- In the new subdivision, Slopeville, the slope of the roof needs to be between -0.4 and -0.8 or 0.4 and 0.8. Would this roof plan be acceptable? Justify your answer.
- Given the equation, $3y+4x=27$, find the slope and determine if it would be an acceptable slope for Slopeville. Justify your answer.

A full-page sheet of white graph paper featuring a uniform grid of thin, light gray horizontal and vertical lines. The grid covers the entire area of the page, creating a series of small squares suitable for technical drawing or mathematics.