

Name: _____

Date: _____

Hexagonal Table

You want to make a hexagonal table top. It's going to have a border made out of 2x6's. What angle should you cut the ends of the boards at, to make all the boards meet neatly at the corners?

Solve this by making a carefully measured drawing, or by sketching and using mathematical reasoning.

Optional Project: Make a hexagonal border out of wood, with 1-foot 2x4's. How much wood will you need?

Optional Variation: Do this same project, but make a triangle, or an octagon.

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