Name: $\qquad$
Date: $\qquad$

## Hexagonal Table

You want to make a hexagonal table top. It's going to have a border made out of $2 x 6$ '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 $2 \times 4$ '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.

