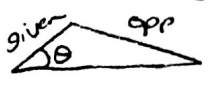


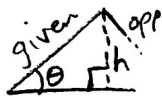
Summary of steps:

① Sketch situation



② Is side opp the angle longer than other given side?
Yes? Then one Δ : , solve it
No? Then continue...

③ Find height of Δ



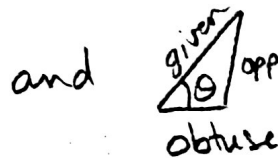
$$\sin \theta = \frac{h}{\text{given}}$$
$$h = (\text{given})(\sin \theta)$$

④ Possibilities:

- $\text{opp} = h$, then right $\angle \Delta$, one triangle 
- $\text{opp} > h$ (but $< \text{given}$), then 2 Δ 's



acute



obtuse

- $\text{opp} < h$, then 0 triangles.



opp can't reach
if it is shorter
than Δ height