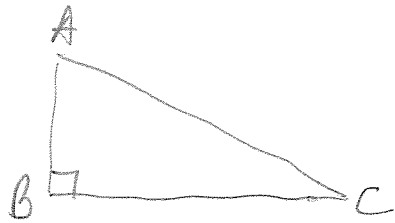


Corollary: The acute \angle s of a right Δ are complementary.

Given: ΔABC , $\overline{AB} \perp \overline{BC}$

Prove: $\angle A$ complements $\angle C$



① $\overline{AB} \perp \overline{BC} \rightarrow$ ② $\angle B$ is a rt $\angle \rightarrow$ ③ $m\angle B = 90$

④ $m\angle A + m\angle B + m\angle C = 180$

\downarrow
⑤ $m\angle A + 90 + m\angle C = 180 \rightarrow$ ⑥ $m\angle A + m\angle C = 90 \rightarrow$ ⑦ $\angle A$ supp $\angle C$

① Given

② \perp lines form right \angle s.

③ Def of right \angle

④ Sum of meas. of \angle s of Δ is 180.

⑤ Substitution Prop.

⑥ Subtraction Prop

⑦ If 2 \angle s total 90, then they are complementary \angle s.