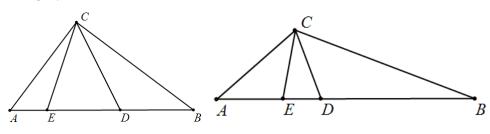
Example 105: As shown in Figure 1, it is known that D and E are two points on the hypotenuse AB of the right angle $\triangle ABC$, and AD = AC, BE = BC, find the degree of $\triangle ECD$.



$$\frac{\frac{C-B}{C-A}}{\left(\frac{C-D}{C-E}\right)^2} = -\frac{\frac{E-C}{A-B}}{\frac{C-B}{C-E}} \frac{\frac{B-A}{D-C}}{\frac{C-D}{C-A}} \left(\frac{C-B}{C-A}\right)^2, \text{ so } \angle \text{ECD} = 45 ^{\circ} .$$

Simplify the above identity
$$\frac{\frac{A-C}{C-B}}{\left(\frac{C-D}{C-E}\right)^2} = \frac{\frac{E-C}{A-B}}{\frac{C-B}{C-E}} \frac{\frac{B-A}{D-C}}{\frac{C-D}{C-A}}, \text{ and then get the extended}$$

proposition:

As shown in Figure 1, in \triangle ABC, it is known that D and E are two points on AB, and AD = AC, BE = BC, find the complementarity of \angle ECD and \angle ACB.