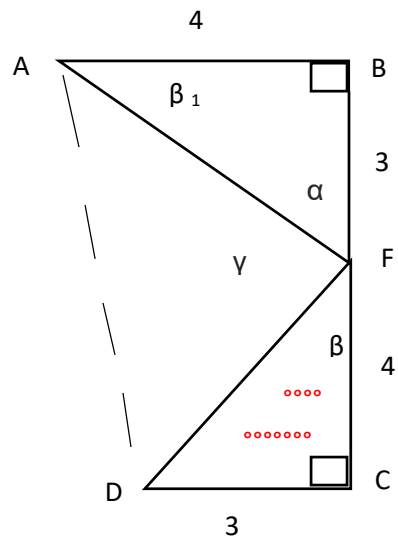


Geometry

Given: 2 Right – angled triangles



Both triangles are congruent (SAS)

$$\beta_1 = 90^\circ - \alpha$$

$$\beta = \beta_1$$



$$\alpha + \beta = 90^\circ$$

$$\alpha + \beta + \gamma = 180^\circ$$

$$\alpha + \beta = 90^\circ$$

$$90^\circ + \gamma = 180^\circ$$

$$\gamma = 90^\circ$$

On TRIANGLE AFD the sharp angles are 45 degrees, 45 degrees

$$x = \frac{180 - 90}{2} = 45^\circ$$

