



$$y^2 + (8 - x)^2 = 121$$

$$y^2 + x^2 = 81$$

$$64 - 16x = 40$$

$$x = 1.5$$

Left lower angle = $\arccos(6.5/11) = 53.7784^\circ$
 Right lower angle = $\arccos(1.5/9) = 80.4059^\circ$
 Top angle = $180 - 53.7784 - 80.4059 = 45.8157^\circ$

Y'

