

To find b, we must use the law of cosines.

$$b^2 = 16^2 + 11^2 + (16 * 11 * \cos(33^\circ)) \quad (1)$$

$$b^2 = 256 + 121 + (172\cos(33)) \quad (2)$$

$$b = \sqrt{377 + 172\cos(33)} \approx 22.9 \quad (3)$$