Law of Cosines: Question 1

Ana Bhattacharjee

September 12, 2019

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

$$b^2 = 16^2 + 11^2 + 2(16 * 11 * cos(33°)) \tag{1}$$

$$b^2 = 256 + 121 + 2(172cos(33)) \tag{2}$$

$$b = \sqrt{377 + 344cos(33)} \approx 25.9 \tag{3}$$