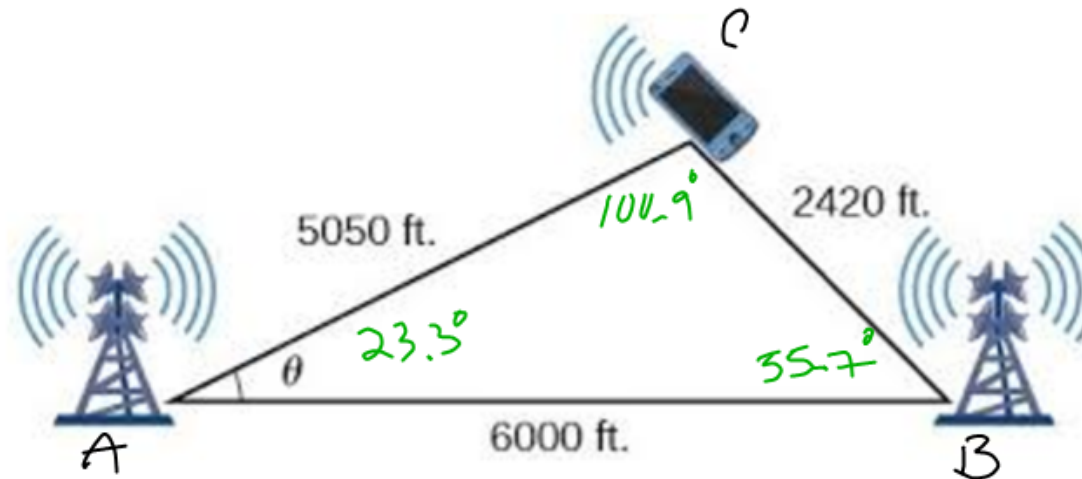


Solve the triangle and find its Area: SSS



(2.)

$$\frac{\sin A}{2420} = \frac{\sin 100.9}{6000}$$

$$\sin^{-1}\left(\frac{2420 \sin 100.9}{6000}\right) = 23.3$$

(1)

$$6000^2 = 2420^2 + 5050^2 - 2(2420)(5050) \cos C$$

$$\frac{6000^2 - 2420^2 - 5050^2}{-2(2420)(5050)} = \cos C$$

$$\angle C = \cos^{-1}(\dots)$$

Area

$$\frac{1}{2} ab \sin C$$

$$\frac{1}{2} (2420)(5050) \sin 100.9$$