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1.16 Exit Note Quiz
2nd Sept 2019

SOLUTIONS

$$1. \quad m\angle C = 180 - (41 + 58) = 81^\circ \quad A1$$

$$\frac{AC}{\sin 58} = \frac{112}{\sin 81} \quad M1 A1$$

$$AC = 112 \frac{\sin 58}{\sin 81}$$

$$= 96.16534...$$

$$\approx 96.2 \quad A1$$

$$\frac{BC}{\sin 41} = \frac{112}{\sin 81} \quad A1$$

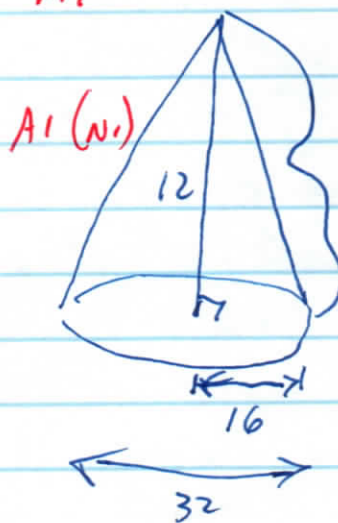
$$BC = 112 \frac{\sin 41}{\sin 81}$$

$$= 74.3945...$$

$$\approx 74.4 \quad A1$$

$$2. \quad \text{slant height} = \sqrt{16^2 + 12^2} \quad M1$$

$$= 20$$



(5)

(2)

Exit Note Quiz
27 Sept 2019

Solutions

$$3. \quad A = \frac{1}{2} \sin \theta \times 15 \times 17 = 100 \quad \text{M1 A1}$$

$$\sin \theta = \frac{200}{15 \times 17} = 0.784313...$$

$$\theta = 51.65725... \quad \text{A1}$$

$$\approx 51.6^\circ$$

(3)