

2.81
05

$$a + c \sin A = b + c \sin B$$

$$2R \sin A + 2R \sin C \sin A = 2R \sin B + 2R \sin C \sin B \quad | : 2R$$

$$\sin A (1 + 2 \sin C) = \sin B (1 + 2 \sin C)$$

$$(\sin A - \sin B) (1 + 2 \sin C) = 0$$

↓

$$\sin A = \sin B$$

$$\boxed{A = B}$$

$$\rightarrow A = \pi - B$$

$$A + B = \pi$$

0.10.17.00.16 ✓

→

$$\sin C = -\frac{1}{2}$$

0.10.17.00.16 ✓