106.38 PWW: $\sin\alpha + \sin\beta$ and $\cos\beta - \cos\alpha$

$$\cos\beta - \cos\alpha = 2\sin\frac{\alpha-\beta}{2}\sin\frac{\alpha+\beta}{2};\quad \sin\alpha + \sin\beta = 2\cos\frac{\alpha-\beta}{2}\sin\frac{\alpha+\beta}{2}.$$

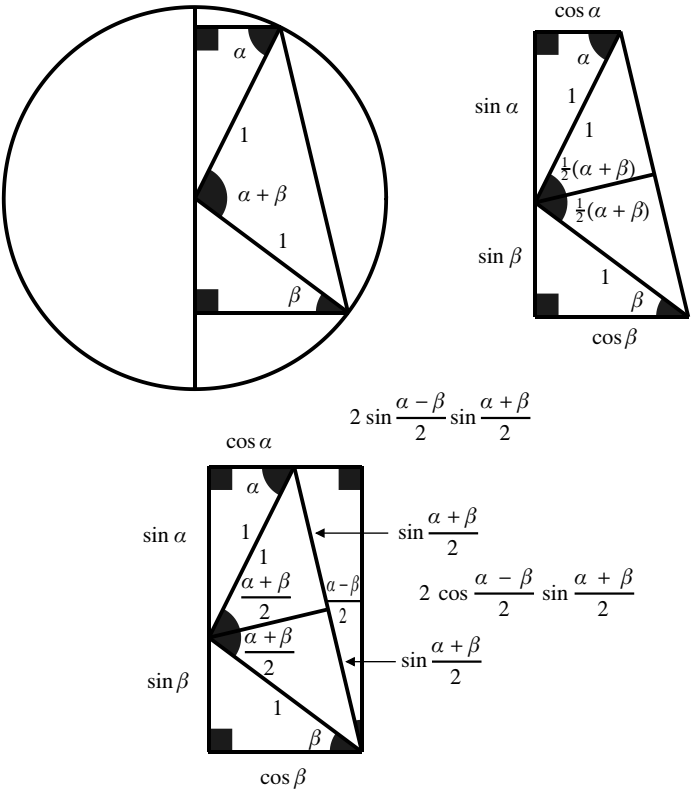


FIGURE 1

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ELIF ESRA ARIKAN
Istanbul Sabahattin Zaim University, Mathematics and Science Education Department, Halkali Street, No: 281 Halkali, Küçükçekmece, Istanbul, Turkey
e-mail: *elif.arikan@izu.edu.tr*
HASAN UNAL
Yildiz Technical University, Mathematics and Science Education Department, Havuzlar, Davutpaşa Campus, Esenler/Istanbul, Turkey
e-mail: *hunal@yildiz.edu.tr*

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