

18. 答案: C

解題要點:

這題目是在考“幾何圖形 - 求積法”

一般解法:

$AC = AE = 3\text{cm}$ (平行四邊形對角線互切)

$$\triangle AEB \text{ 面積} = (1/2) ab \sin \theta = (1/2) (AE)(EB) \sin 50^\circ = 2.298\text{cm}^2$$

$$\triangle EBC \text{ 面積} = (1/2) ab \sin \theta = (1/2) (EC)(EB) \sin 130^\circ = 2.298\text{cm}^2$$

$$\text{平行四邊形面積} = 2(\triangle AEB \text{ 面積} + \triangle EBC \text{ 面積}) = 9.2 \text{ cm}^2$$