

1974 年京大文 2

$$\triangle ABC \text{ の面積は } \frac{1}{2} AB \cdot BC \sin \theta = \frac{1}{2} \cdot 2 \cdot 5 \sin \theta = 5 \sin \theta = 4 \quad \sin \theta = \frac{4}{5}$$

$$\cos^2 \theta = 1 - \sin^2 \theta = 1 - \frac{16}{25} = \frac{9}{25} \quad \therefore |\cos \theta| = \frac{3}{5} \quad \dots\dots (\text{答})$$