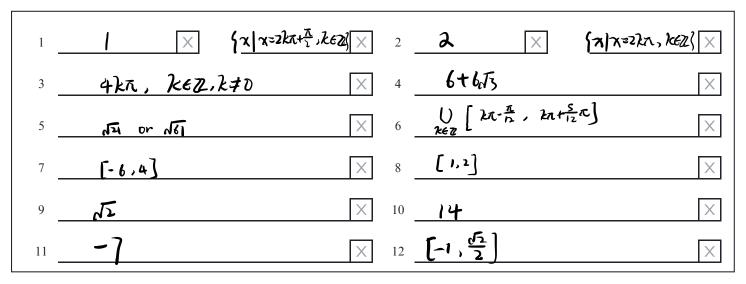


SES 2024届高一下数学测验(5)22.03.30

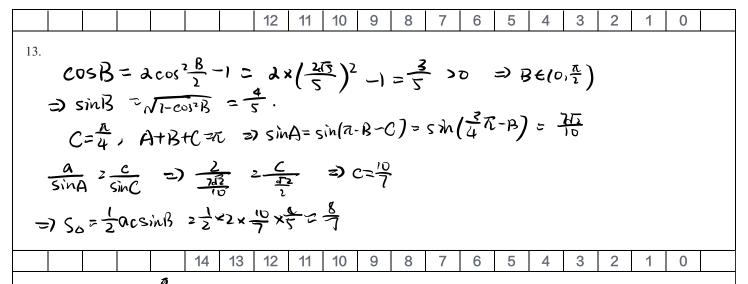
 班级: (3) - (4) 和4

考场/座位号: 48

一、填空题: (本大题共12小题,每题5分,共60分)



二、解答题: (12+14+14=40分)



1. ab=4

ショマタマム

SABC为 RHO or 等服力.

15. (1)
$$f(x) = 2 - \sin(2x + \frac{\pi}{3}) - 2 \sin^2 x$$

$$= 2 - \left(\sin 2x \cos \frac{\pi}{3} + \cos 2x \sin \frac{\pi}{6}\right)$$

$$-\left(1 - \cos 2x\right)$$

$$= 1 + \cos(2x) - \left(\frac{\pi}{2} \sin 2x\right) + \frac{1}{2} \cos 2x$$

$$= \frac{1}{2} \cos 2x - \frac{\pi}{2} \sin 2x + \frac{\pi}{3} + 1$$

$$= \cos(2x + \frac{\pi}{3}) + 1$$

$$= \min_{x \in \mathcal{X}} T = \frac{2\pi}{2} - 2\pi$$

$$=) \qquad \chi \in \bigcup_{k \in \mathbb{Z}} \left[k \pi - \frac{2}{\ell} \pi, k \pi - \frac{\pi}{\ell} \right]$$

(3)
$$f(\frac{B}{2})^{2}$$

=)
$$\cos(B+\frac{3}{4})+1=1$$

$$\Rightarrow) \cos(\beta + \frac{\pi}{3}) = 0$$

$$B + \frac{\pi}{3} = 2\pi + \frac{\pi}{2} , 267$$

$$= \frac{1}{2} k^{2} 0, R = \frac{R}{1}$$

$$b = 1 \cdot C = \sqrt{3} \cdot \frac{b}{\sin R} = \frac{C}{\sin R}$$

三、附加题

