

KUNCI UJIAN MATEMATIKA 1 SMA, ZENIUS

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1. Sudah jelas, $\sin(180 - A) = \sin A$

2. $\sin^2 \theta = 1 - \cos^2 \theta$

$$\sin \theta = \sqrt{1 - \cos^2 \theta}$$

$$\sin \theta = \sqrt{1 - \left(\frac{1}{a}\right)^2}$$

$$\sin \theta = \sqrt{\frac{a^2 - 1}{a^2}}$$

$$\sin \theta = \frac{\sqrt{a^2 - 1}}{a}$$

karena $\sin \theta$ ada di kuadran IV berarti \sin bernilai negatif atau

$$\sin \theta = -\frac{\sqrt{a^2 - 1}}{a}$$

3. memakai triple pythagoras kita dapatkan $\tan \theta = \frac{4}{3}$

4. $\cos^2 \frac{\pi}{6} - \sin$