

NAMA :

KELAS/NO. :

PERSAMAAN TRIGONOMETRI

1. $\sin x = \sin 100^\circ$

➤ $x = \dots + k. \dots$

$k = \dots \rightarrow x = \dots$

➤ $x = (\dots - \dots) + k. \dots$

$k = \dots \rightarrow x = \dots$

HP = $\{ \dots^\circ, \dots^\circ \}$ (urut dari yang terkecil)

2. $\cos 2x = \cos \frac{10}{9}\pi$

➤ $\dots = \frac{\dots}{\dots}\pi + k. \dots \pi$

$x = \frac{\dots}{\dots}\pi + k. \pi$

$k = \dots \rightarrow x = \frac{\dots}{\dots}\pi = \frac{\dots}{\dots}\pi$

$k = \dots \rightarrow x = \frac{\dots}{\dots}\pi + \pi = \frac{\dots}{\dots}\pi = \frac{\dots}{\dots}\pi$

➤ $2x = -\frac{\dots}{\dots}\pi + k. \dots \pi$

$x = -\frac{\dots}{\dots}\pi + k. \pi$

$k = \dots \rightarrow x = -\frac{\dots}{\dots}\pi = -\frac{\dots}{\dots}\pi$ (tidak memenuhi)

$k = \dots \rightarrow x = -\frac{\dots}{\dots}\pi + \pi = \frac{\dots}{\dots}\pi = \frac{\dots}{\dots}\pi$

$k = \dots \rightarrow x = -\frac{\dots}{\dots}\pi + \dots \pi = \frac{\dots}{\dots}\pi = \frac{\dots}{\dots}\pi$

HP = $\{ \frac{\dots}{\dots}\pi, \frac{\dots}{\dots}\pi, \frac{\dots}{\dots}\pi, \frac{\dots}{\dots}\pi \}$ (urut dari yang terkecil)

3. $\tan(3x - 50) = \tan 70^\circ$

➤ $\dots - \dots = \dots + k. \dots$

$3x = 70 + \dots + k. \dots$

$3x = \dots + k. \dots$

$x = \dots + k. \dots$

$$k = \dots \rightarrow x = \dots$$

$$k = \dots \rightarrow x = \dots + \dots \dots = \dots$$

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Kalian telah mampu
Memahami Persamaan Trigonometri
dengan baik

