TUGAS 2
PERSAMAAN TRIGONOMETRI DASAR

OLEH RINI WEDYASTUTI , S.PD

NAME

CLASS

TENTUKAN HIMPUNAN PENYELESAIAN DARI SETIAP SOAL BERIKUT DENGAN CARA MENJODOHKAN SOAL DAN JAWABAN DI SEBELAH KANAN

SOAL

$2 \sin 2x - 1 = 0$; $0° \leq x \leq 360°$

$\tan (x - 25°) = \tan 40°$; $0° \leq x \leq 360°$

$\text{Tan}\,(x + 25°) = -\sqrt{3}$, $0° \leq x \leq 360°$

$2 \cos 3x - \sqrt{2} = 0$; $0° \leq x \leq 360°$

HIMPUNAN PENYELESAIAN

$\{65°, 245°\}$

$\{15°, 105°, 135°, 225°, 345°\}$

$\{15°, 75°, 195°, 255°\}$

$\{25°, 95°, 275°\}$

$\{95°, 275°\}$

LIVEWORKSHEETS

PILIHLAH HIMPUNAN PENYELESAIAN YANG TEPAT

DENGAN CARA MENARIK (DRAG) JAWABAN YANG BENAR MENEMPEL KE SOAL

$\text{Sin x} = \sin \frac{3}{8}\pi$,
$0 \leq x \leq 2\pi$

$\text{Cos x} = \cos \frac{3}{5}\pi$,
$0 \leq x \leq 2\pi$

$\text{Sin } (x + \frac{1}{5}\pi) = 1$;
$0 \leq x \leq 2\pi$

$2 \cos 4x + \sqrt{3} = 0$;
$0° \leq x \leq \pi$

$\text{Tan } (2x - \frac{2}{5}\pi) = \frac{1}{3}\sqrt{3}$,
$0° \leq x \leq 2\pi$

$\text{Sin } 3x = \cos x$,
$\pi \leq x \leq 2\pi$

$\left\{\frac{5}{24}\pi, \frac{7}{24}\pi, \frac{17}{24}\pi, \frac{19}{24}\pi\right\}$

$\left\{\frac{17}{60}\pi, \frac{47}{60}\pi, \frac{77}{60}\pi, \frac{107}{60}\pi\right\}$

$\left\{\frac{5}{12}\pi, \frac{17}{12}\pi\right\}$

$\left\{\frac{1}{8}\pi, \frac{1}{4}\pi, \frac{5}{8}\pi, \frac{9}{8}\pi, \frac{5}{4}\pi, \frac{13}{8}\pi\right\}$

$\left\{\frac{3}{10}\pi\right\}$

$\left\{\frac{9}{8}\pi, \frac{5}{4}\pi, \frac{13}{8}\pi\right\}$

$\left\{\frac{3}{5}\pi, \frac{2}{5}\pi\right\}$

LIVEWORKSHEETS

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