LKPD

Persamaan Trigonometri – 2

NAMA:	KELAS:

Tentukan Himpunan Penyelesaian dari setiap persamaan berikut untuk $0° \leq x \leq 360°$.

Kerjakan dengan cara tarik garis ke bagian kanan.

1.	$\text{Tan}\,(x - 40^0) = -\sqrt{3}$		$\{165^0, 285^0\}$
2.	$\text{Sin}\,(x + 30^0) = -1$		$\left\{\frac{\pi}{8}, \frac{5\pi}{8}, \frac{9\pi}{8}, \frac{13\pi}{8}\right\}$
3.	$\text{Cos}\,(x - 45^0) = -\frac{1}{2}$		$\{160^0, 340^0\}$
4.	$\text{Tan}\left(2x - \frac{\pi}{4}\right) = 0$		$\left\{\frac{17}{36}\pi, \frac{29}{36}\pi, \frac{53}{36}\pi, \frac{65}{36}\pi\right\}$
5.	$\text{Sin}\left(\frac{x}{4} - \frac{\pi}{9}\right) = 0$		$\{240^0\}$
6.	$\text{Cos}\left(2x - \frac{5}{18}\pi\right) = -\frac{1}{2}$		$\left\{\frac{4}{9}\pi\right\}$

LIVEWORKSHEETS