

Zadatak 9. Pod kojim kutom sinusoida siječe os x ?

Rješenje. $y = \sin x$, $T_1(0, 0)$, $T_2(\pi, 0)$, $y' = \cos x \implies y'(0) = 1$ $y'(\pi) = -1$.
Koefficienti smjera tangenata su $\operatorname{tg} \varphi_1 = y'(0) = 1 \implies \varphi_1 = \operatorname{arc} \operatorname{tg} 1 = \frac{\pi}{4}$ i
 $\operatorname{tg} \varphi_2 = y'(\pi) = -1 \implies \varphi_2 = \operatorname{arc} \operatorname{tg}(-1) = \frac{3\pi}{4}$.