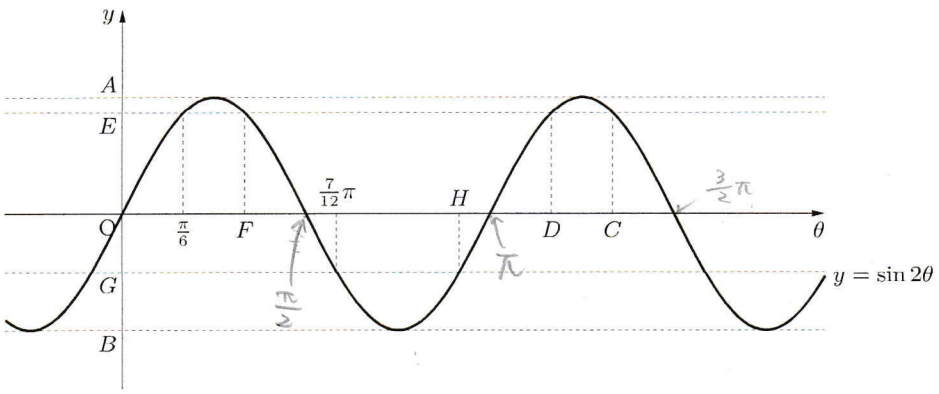
sankaku5

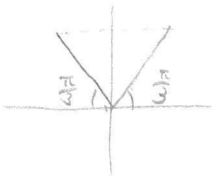
下のグラフは $y = \sin 2\theta$ のグラフです。A〜H にあてはまる値と周期を求めよ。



$A = 1$, $B = -1$

$\sin 2 \cdot \frac{\pi}{6} = \sin \frac{\pi}{3}$

$E = \frac{\sqrt{3}}{2}$



$D = \pi + \frac{\pi}{6}$

$= \frac{7}{6}\pi$

$C = \frac{3}{2}\pi - \frac{\pi}{6}$

$= \frac{4}{3}\pi$

$\frac{5}{6}$ π

$H = \frac{\pi}{2} - \frac{\pi}{6}$

$= \frac{\pi}{3}$

$G = \sin 2 \cdot \frac{7}{12}\pi = \sin \frac{7}{6}\pi$

$= -\frac{1}{2}$

$G = -\frac{1}{2}$

$H = \pi - \frac{\pi}{12}$

$= \frac{11}{12}\pi$

まとめ

$A = 1$

$B = -1$

$C = \frac{4}{3}\pi$

$D = \frac{7}{6}\pi$

$E = \frac{\sqrt{3}}{2}$

$F = \frac{\pi}{3}$

$G = -\frac{1}{2}$

$H = \frac{11}{12}\pi$

周期 π