- (1) cos 5θ を cos θ で表せ.
- (2) $\cos^2 \frac{1}{10} \pi$ の値を求めよ.

(1)
$$0h to = 0s (30+20)$$
 $= 0s 30 \cdot 0s 20 - fin 30 \cdot fin 20$
 $= 0s 30 (20 + 20 - 1) - fin 30 (25 h 0 cos 0)$
 $-ck$
 $= 0s 30 = 0s (20 + 0)$
 $= 0s 20 - 0s 0 - fin 20 - fin 0$
 $= (20s^20 - 1) cos 0$
 $= 26s^30 - 0s 0$

州人行人.

$$0 = (4 \cos^2 \theta - 3 \cos \theta)(2 \cos^2 \theta - 1)$$

$$-(4 \sin \theta \cos^2 \theta - \sin \theta) \cdot 2 \sin \theta \cos \theta$$

= 4 xin 0 cos20 - xin 0

$$(|\mathbf{I}\mathbf{A}\mathbf{B}| = 2\cos^{2}\theta - 6\cos^{3}\theta - 4\cos^{3}\theta + 3\cos\theta$$

$$= 2\cos^{2}\theta - (\cos^{3}\theta + 3\cos\theta)$$

$$(220) = -8 \sin^2 0 \cos^3 0 + 2 \sin^2 0 \cos 0$$

$$= -8 (|-\cos^2 0|)\cos^3 0 + 2 (|-\cos^2 0|)\cos 0$$

$$= -8\cos^3 0 + 8\cos^5 0 + 2\cos 0 - 2\cos^3 0$$

(信如(大社)

(2) (1)
$$\frac{7}{3}$$

Os $\frac{1}{50} = 0.50$ ($160s^{4}0 - 200c^{2}0 + 5$)

 $0 = \frac{1}{10} \frac{1}{5} \ln 336$

($\frac{1}{12}$) = $0.5 \frac{1}{10}\pi = 0.5$
 $0 = 0.5 \frac{\pi}{10} \left(160s^{4} \frac{\pi}{10} - 200s^{2} \frac{\pi}{10} + 5 \right)$
 $1 = \frac{1}{10} \frac{\pi}{10} + 0.760s^{11}$
 $1 = \frac{1}{10} \frac{\pi}{10} + 0.760s^{11}$
 $1 = \frac{1}{10} \frac{\pi}{10} = 0.50s^{2} \frac{\pi}{10} + 5 = 0$
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 $1 = \frac{1}{10} \frac{\pi}{10} = 0.50s^{2} \frac{\pi}{10} + 0.50s^{2} \frac{\pi$

as 50 は、1010加速定理を丁寧に行うの外!!