

$$\cos x + \cos 2x + \dots + \cos(n-1)x + \cos nx = \frac{\sin(nx/2) \cos(x(n+1)/2)}{\sin(x/2)}$$

$$\cos(2P/7) + \cos(2 \cdot 2P/7) + \cos(3 \cdot 2P/7) = \frac{\sin(3P/7) \cos(4P/7)}{\sin(P/7)} = \frac{(0 - \sin(P/7))}{(2 \sin(P/7))} = -\frac{1}{2}$$

$$\cos(2P/7) \cdot \cos(2 \cdot 2P/7) \cdot \cos(3 \cdot 2P/7) = \cos x \cdot \cos 2x \cdot \cos 3x = \frac{1}{2} (\cos 4x + \cos 2x) \cos 2x = \frac{1}{2} (\cos 4x \cos 2x + \cos^2(2x))$$

$$A = \cos x \cdot \cos 2x \cdot \cos 3x$$

7.32

$$x^4 + x^3 + x^2 + x + 1 = 0$$

$$z^4 + z^3 + z^2 + z + 1 = 0$$