සාධනය කරන්න.

① $\frac{\cos 2\alpha - \cos 12\alpha}{\sin 12\alpha + \sin 2\alpha} = \tan 5\alpha$

② $\frac{\cos(\alpha - 3\beta) - \cos(3\alpha + \beta)}{\sin(3\alpha + \beta) + \sin(\alpha - 3\beta)} = \tan(\alpha + 2\beta)$

③ $\frac{\sin\theta + \sin 2\theta + \sin 4\theta + \sin 5\theta}{\cos\theta + \cos 2\theta + \cos 4\theta + \cos 5\theta} = \tan 3\theta$

④ $\sin^2 10^\circ + \sin^2 50^\circ + \sin^2 70^\circ = \frac{3}{2}$

⑤ $\sin(A+B-C) + \sin(B+C-A) + \sin(C+A-B) - \sin(A+B+C)$
$= 4\sin A \sin B \sin C$

⑥ $A + B + C = \pi$ නම්

⑦ $\sin 2A - \sin 2B + \sin 2C = 4\cos A \cos C \sin B$

⑧ $\frac{\sin A + \sin B - \sin C}{\sin A + \sin B + \sin C} = \tan\frac{A}{2}\tan\frac{B}{2}$

⑨ $\cos^2 A + \cos^2 B + \cos^2 C = 1 - 2\cos A \cos B \cos C$

⑩ $\cos A + \cos B + \cos C = 1 + 4\sin\frac{A}{2}\sin\frac{B}{2}\sin\frac{C}{2}$