Tarea

03.- $Q=(Tg\theta + Ctg\theta)Sen\theta$.

$Q = Sec x \cdot \underbrace{Csc x \cdot Sen\theta}$

$Q = Sec x \cdot \quad 1$

$Q = Sec x$ ∎

18.- $Q=\underbrace{(Sec\phi \cdot Csc\phi - Tg\phi)}\underbrace{(Sec\phi \cdot Csc\phi} - Ctg\phi)$

$Q = (\cancel{Tg\phi} + Ctg\phi - \cancel{Tg\phi})(Tg\phi + \cancel{Ctg\phi} - \cancel{Ctg\phi})$

$Q = (Ctg\phi)(Tg\phi)$

$Q = 1$ ∎

17.- $P = \dfrac{1 + Sen^4\alpha + Cos^4\alpha}{2 + Sen^6\alpha + Cos^6\alpha}$

$P = \dfrac{1 + 1 - 2Sen^2x \cdot Cos^2x}{2 + 1 - 3Sen^2x \cdot Cos^2x}$

$P = \dfrac{\cancel{2 - 2Sen^2x \cdot Cos^2x}}{\cancel{2 - 2Sen^2x} \cdot Cos^2x} = \dfrac{Cos^2x}{Cos^2x} = 1$ ∎

01.- $Q = 6\,Sen^4\theta - 4\,Sen^6\theta + 6\,Cos^4\theta - 4\,Cos^6\theta$