Primitives niveau terminale - $5^{i\grave{e}me}$ feuille

$$A = \int cos^4 x sin^3 x dx$$

$$B = \int sin^5 x dx$$

$$C = \int tan^3 3x dx$$

$$D = \int \frac{sin^2 \phi d\phi}{cos^4 \phi}$$

$$E = \int \frac{dx}{sin^2 2x cos^4 2x}$$

$$F = \int (tanbt - cotanbt)^3 dt$$

$$G = \int sin^2 2x cos^4 2x dx$$

$$H = \int sin2x cos4x dx$$

$$I = \int sin3x sin2x dx$$

$$J = \int cos4x cos3x dx$$

$$K = \int (2 - sin\theta)^2 d\theta$$

$$L = \int (sin^2 \phi + cos\phi)^2 d\phi$$

Cliquez ☞ **ici** pour toutes les réponses.

Réponse 5

$$A = -\frac{1}{5}cos^5x + \frac{1}{7}cos^7x + C, C \in \mathbb{R}$$

$$B = -cosx + \frac{2}{3}cos^3x - \frac{1}{5}cos^5x + C, C \in \mathbb{R}$$

$$C = \frac{1}{6}tan^2 3x + \frac{1}{3}ln\,|cos3x| + C, C \in \mathbb{R}$$

$$D = \frac{1}{3}tan^3\phi + C, C \in \mathbb{R}$$

$$E = tan2x + \frac{1}{6}tan^3 2x - \frac{1}{2}cotan2x + C, C \in \mathbb{R}$$

$$F = \frac{1}{2b}(tan^2 bt + cotan^2 bt) + \frac{4}{b}lnsin2bt + C, C \in \mathbb{R}$$

$$G = \frac{x}{16} + \frac{sin^3 4x}{96} - \frac{sin8x}{128} + C, C \in \mathbb{R}$$

$$H = \frac{1}{4}cos2x - \frac{1}{12}cos6x + C, C \in \mathbb{R}$$

$$I = \frac{1}{2}sinx - \frac{1}{10}sin5x + C, C \in \mathbb{R}$$

$$J = \frac{1}{2}sinx + \frac{1}{14}sin7x + C, C \in \mathbb{R}$$

$$K = \frac{9\theta}{2} + 4cos\theta - \frac{sin2\theta}{4} + C, C \in \mathbb{R}$$

$$L = \frac{7\phi}{8} + \frac{2}{3}sin^3\phi + \frac{1}{32}sin4\phi + C, C \in \mathbb{R}$$

☞ **Retour**