Intégrales niveau terminale - $4^{ième}$ feuille

$$A = \int_1^3 \frac{dx}{x^2 - 2x + 5}$$
$$B = \int_1^4 arcsec\sqrt{x}dx$$
$$C = \int_1^2 xarcsecxdx$$
$$D = \int_0^{\frac{\pi}{6}} sin^4 3xdx$$
$$E = \int_0^{\pi} \frac{dx}{1 + sinx}$$
$$F = \int_{\frac{\pi}{2}}^{\pi} \frac{dx}{1 - cosx}$$
$$G = \int_0^{\frac{\pi}{2}} \frac{dx}{2 + cosx}$$
$$H = \int_0^{\frac{\pi}{2}} cos3xsin2xdx$$
$$I = \int_{-\pi}^{\pi} sin3xsin2xdx$$
$$J = \int_{-\pi}^{\pi} sin^2 3xdx$$
$$K = \int_0^1 \frac{x^3 dx}{(x^2 + 1)^{\frac{3}{2}}}$$

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

Réponse 4

$$A = \frac{\pi}{8}$$
$$B = \frac{4\pi - 3\sqrt{3}}{3}$$
$$C = \frac{4\pi - 3\sqrt{3}}{6}$$
$$D = \frac{\pi}{16}$$
$$E = 2$$
$$F = 1$$
$$G = \frac{\pi\sqrt{3}}{9}$$
$$H = -\frac{2}{5}$$
$$I = 0$$
$$J = \pi$$
$$K = \frac{3\sqrt{2} - 4}{2}$$

☞ **Retour**