Primitives niveau terminale - $1^{ième}$ feuille

$$A = \int 3ay^2 dy$$

$$B = \int \sqrt{ax}\, dx$$

$$C = \int (\frac{x^2}{2} - \frac{2}{x^2})dx$$

$$D = \int (a + bt)^2 dt$$

$$E = \int y(a + by)^2 dy$$

$$F = \int \frac{4x^2 dx}{\sqrt{x^3 + 8}}$$

$$G = \int \sqrt{x}(\sqrt{a} - \sqrt{x})dx$$

$$H = \int \frac{dy}{(a + by)^3}$$

$$I = \int \frac{t^2 dt}{(a + bt^3)^2}$$

$$J = \int \frac{(2x + 3)dx}{\sqrt{x^2 + 3x}}$$

$$K = \int \frac{dx}{2 + 3x}$$

$$L = \int \frac{(2x + 3)dx}{x^2 + 3x}$$

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

Réponses 1

$$A = ay^3 + C, C \in \mathbb{R}$$

$$B = \frac{2x\sqrt{ax}}{3} + C, C \in \mathbb{R}$$

$$C = \frac{x^3}{6} + \frac{2}{x} + C, C \in \mathbb{R}$$

$$D = \frac{(a+bt)^3}{3b} + C, C \in \mathbb{R}$$

$$E = -\frac{(a-by^2)^2}{4b} + C, C \in \mathbb{R}$$

$$F = \frac{8\sqrt{x^3}+8}{3} + C, C \in \mathbb{R}$$

$$G = \frac{2}{3}ax^{\frac{3}{2}} - x^2\sqrt{a} + \frac{2}{5}x^{\frac{5}{2}} + C, C \in \mathbb{R}$$

$$H = -\frac{1}{2b(a+by)^2} + C, C \in \mathbb{R}$$

$$I = -\frac{1}{3b(a+bt^3)} + C, C \in \mathbb{R}$$

$$J = 2\sqrt{x^2+3x} + C, C \in \mathbb{R}$$

$$K = \frac{1}{3}ln|2+3x| + C, C \in \mathbb{R}$$

$$L = ln|x^2+3x| + C, C \in \mathbb{R}$$

☞ Retour