

1 Hallar y'' si: $x^3 + y^3 = a$

Rpta: $y'' = 0$

2 Hallar y'' si: $x^{\frac{1}{2}} + y^{\frac{1}{2}} = a$

Rpta: $y'' = \frac{a^{\frac{2}{3}}}{3y^{\frac{1}{3}}x^{\frac{4}{3}}}$

3 Hallar y'' si: $x^{\frac{2}{3}} + y^{\frac{2}{3}} = a^{\frac{2}{3}}$

Rpta: $y'' = \frac{3b^6x}{a^4y^5}$

4 Hallar y'' si: $b^2x^2 - a^2y^2 = a^2b^2$.

Rpta: $y'' = -\frac{2ax}{y^5}$

5 Hallar y'' si: $\arctg \frac{y}{x} = \ln \sqrt{x^2 + y^2}$

Rpta: $y'' = x^{\frac{3}{2}}$

6 Hallar y'' si: $\ln(x^3 + yx^2 - 5) = e^{x^2y+x^3-1}$

Rpta: $y'' = \frac{ctte}{(bx+cy+e)^3}$

7 Hallar y'' si: $ax^2 + 2bx \cdot y + cy^2 + 2dx + 2ey + k = 0$

Rpta: $y'' = 2$

8 Hallar y'' si: $\sen(y-x^2) - \ln(y-x^2) + 2\sqrt{y-x^2} - 3 = 0$

Rpta: $y'' = \frac{2(x^2 + y^2)}{(x-y)^3}$

9 Hallar y'' si: $y^{x^2} = x^{x^2}$

Rpta: $y'' = 6\left(\frac{y+x}{x^2}\right)$

10 Hallar y'' si: $\sqrt{\frac{x^2 - y^2}{x^2 + y^2}} + e^{-\frac{x}{y}} = 4$

Rpta: $y'' = 0$