$$\frac{1}{1+\left(\frac{1}{4}\right)^{2}} \left[\frac{y'}{x} - \frac{y}{x^{2}}\right]^{2} = \frac{1}{\left(x^{2}+y^{2}\right)^{2}} \left(x^{2}+y^{2}\right)^{2} = 2x + 2yy^{2}$$

$$\frac{1}{2} \left(x^{2}+y^{2}\right)^{2} - 2y \left(x^{2}+y^{2}\right)^{2} = 2x + 2yy^{2}$$

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$$\frac{1}{2} \left(x^{2}+y^{2}\right)^{2} - 2y \left(x^{2}+y^{$$

$$y'' (\ell_{n}(x) + 1)$$

$$y''(x) = x^{x} (1 + \ell_{n}(x))$$
5)
$$y = \frac{(d - x^{2})^{3} \cdot (x - 1)^{2}}{(dx^{3} - 3x) \cdot e^{x}}$$

$$\ell_{n}y = 3 \ell_{n} (d - x^{2}) + \ell_{n} (x - 1) \cdot d - x - \ell_{n} (dx^{3} - 3x)$$

$$\frac{1}{y'} = \frac{-6x}{d^{2} - x^{2}} + \frac{1}{x - 1} - 1 - \frac{6x^{2} - 3}{dx^{3} - 3x} = \frac{-6x (x - d) + 2}{(x - d) (d - x^{2})} - \left[-\frac{6x^{2} - 3 + 2x^{3} - 3x}{dx^{3} - 3x} \right]$$

$$y' = -\left[\frac{(x - 1)(d - x^{2})(dx^{3} - 3x)}{[6x (x - 1) + 2](dx^{3} - 3x)} + (dx^{3} + 6x^{2} - 3x - 3) \right]$$

6)
$$(aicty x)^{2} = \frac{1}{1+x^{2}}$$

 $f = 144$
 $f = 144$
 $f = 144$
 $f = 2$
 $f = 2(a+6)$
 $f = 2($

x = 36

5= 36.36= 1296