$$p(y(t), y'(t), t) = x^{2}y^{-1} + y \cos^{2}x + y^{2} + y \cos^{2}x + y$$

8 (8f) = 3(y') 2 & z' . z" = 6(y') z' . z"

which implies 
$$3(y')^{x}(z')^{y} = const.$$
 $(y', z')^{y} = const.$ 

a) 
$$(y + \pi n) = (x + y = x^{2} - y^{2})$$
  
 $\frac{dx}{y + \pi x} = \frac{dy}{x^{2} - y^{2}}$   
 $\frac{dy}{y + \pi x} = \frac{dy}{x^{2} - y^{2}}$ 

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$$=) ndn + yd = - = dx = 0$$

13.13 是(包)

4) 
$$f(n, n', t) = x^{1/2} \sin x + \sqrt{n^4} + \sqrt{n^4}$$

$$\frac{\partial f}{\partial x} - \frac{\partial}{\partial t} \left(\frac{\partial f}{\partial n'}\right) = 0$$

$$\frac{\partial f}{\partial x} - \frac{\partial}{\partial t} \left(\frac{\partial f}{\partial n'}\right) = 0$$

$$\frac{\partial f}{\partial x} - \frac{\partial}{\partial t} \left(\frac{\partial f}{\partial n'}\right) = 0$$

$$\frac{\partial f}{\partial x} - \frac{\partial}{\partial t} \left(\frac{\partial f}{\partial n'}\right) = \frac{\partial}{\partial t} \left($$

$$\frac{2}{2}\left(\frac{8f}{2n!}\right) = 2\sin x \cdot n^{11} + 2n^{12}\cos x$$

$$-\frac{2nx^{12}}{\sqrt{n^{2}+n^{12}}} \cdot \frac{n^{11}}{\sqrt{n^{2}+n^{12}}} + \frac{x^{11}}{\sqrt{n^{2}+n^{12}}}$$

$$= x^{11} \left[\frac{2\sin x}{x^{2}+x^{12}} \cdot \frac{1}{\sqrt{n^{2}+n^{12}}} \cdot \frac{1}{\sqrt{n^{2}+n^{2}}} \cdot \frac{1$$

5) 
$$n(x+y) = -y(x+y) = y$$

=  $-(2x+2y+2)(x-y)$ 

=

2 = (a+y)(n+y+z) F(24)(1+4+2))=0.