

```
= 'y" xx = -(cott)' t'x = 1 (-1) = -1

Sin2t (a sint) a sin3t.
                    3. dx = a(1- cost)dt
                                                                                   \frac{t'_{x} = 1}{a(1-\cos t)} = \frac{1}{2a \sin^{2} t}
\frac{dy}{dy} = a \sin t dt = 2a \cdot \sin t \cdot \cos t dt
                                                                       y'x = \frac{dy}{dx} = \frac{2a \sin \frac{t}{a} \cos \frac{t}{a}}{dt} = \cot \frac{t}{a}
\frac{d}{dx} = \frac{2a \sin \frac{t}{a} + dt}{dt}
                                                      |y''| = 0^{2}y = (0 + \frac{1}{2})^{2} + \frac{1}{2}
                                                                    \frac{1}{4a \sin^4 \frac{t}{a}}, \quad t_{\ddagger} = \frac{1}{a^2} + \frac{1}{a^2
22. 151, y= x2, y(8)
                                                                                                y = \frac{x^{2}}{1-x} = \frac{1-(1-x^{2})}{1-x} = \frac{1}{1-x} = \frac{(1+x)}{1-x}
y = \frac{1}{1-x} = \frac{
```



