× 9.31

$$f(n) = e^s$$

$$f(n) = 0$$

OP.33

$$f(n) = \left(32^2 - 52\right)e^{\alpha}$$

$$f(x) = (6x - 5) \cdot e^x + (3x^2 - 5x)e^x$$

$$f'(n) = e^{2x} \left( 3n^2 + x - 5 \right)$$

26 + 326

O P 35

$$f(x) = e^{\alpha x^{3}}$$

$$f'(x) = 30x^{2} \cdot e^{\alpha x^{3}}$$

O P. 37

$$f(x) = e^{ton \theta} \qquad tan \theta' = 5ec^2 \theta$$

P. 39
$$f(x) = \frac{x^2 \cdot e^x}{x^2 + e^x}$$

$$f(x) = \lambda^2 \cdot e^x$$

$$f(x) = \lambda^2$$

$$(2x \cdot e^{2} + x^{2} \cdot e^{x}) \cdot (x^{2} + e^{x}) - (x^{2} \cdot e^{x}) \cdot (2e + e^{x})$$

$$(x^{2} + e^{x}) + (x^{2} + e^{x}) + (x^{2} \cdot e^{x}) - (x^{2} \cdot e^{x}) \cdot (2x + e^{x})$$

$$(x^{2} + e^{x}) + (x^{2} \cdot e^{x}) + (x^{2} \cdot e^{x})$$

$$(x^{2} + e^{x}) + (x^{2} \cdot e^{x})$$

 $y = \frac{f(\alpha)}{f(\alpha)} = \frac{f'(\alpha) f(\alpha)}{f(\alpha)} - \frac{f(\alpha) f(\alpha)}{f(\alpha)}$ 

$$y = \chi^{2} e^{-3\chi}$$
  
 $y' = 2\chi e^{-3\chi}$   
 $x' = 2\chi e^{-3\chi}$   
 $x' = 2\chi e^{-3\chi}$ 

$$y' = e^{-3\pi} \left( 2\pi - 3\pi^2 \right)$$

$$y' = \pi e^{-3\pi} \left( 2\pi - 3\pi^2 \right)$$

8.2 
$$8P.43$$

Alt):  $e^{at} \cdot sinbt$ 

$$f'(t) = A \cdot e^{at} \cdot sinbt + e^{at} \cdot c \cdot sbt$$

$$e^{at} \left(a \cdot sinbt + c \cdot sbt\right)$$

$$b$$

$$b$$

$$b$$

$$f(a) = Sin \left(ln\pi\right)$$

$$ces \cdot ln\pi \times \frac{1}{\pi}$$

$$f'(n) = \frac{ces \cdot ln\pi}{2t}$$

$$P.5$$

$$f'(n) = \frac{ln}{\pi} = \frac{2}{2t} \cdot ln\pi$$

P.7
$$f(x) = l_0 f_{ro} \left( 1 + C_0 s \cdot x \right)$$

$$f'(x) = l_0 f_{ro} \left( x + l_0 f_{ro} \right)$$

$$l_0 f_{ro} \left( x + l_0 f_{ro} \right)$$

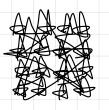
$$P.9$$

$$J(n) = ln (xe^{-2x})$$

$$J(n) = ln \cdot x + ln \cdot x$$

$$J(n) = ln \cdot x - 2x$$

$$J(n) = -2x$$



$$F(t) = (lnt)^2 sint$$