Hul PRE \$38

1. 
$$f_{x,y} = s_{in}(x_{y}) - x_{3}^{2} + x_{3}^{4} - 10$$

A)  $f_{x} = y_{is}(x_{y}) - 3x^{2}y + y^{4}$ 
 $f_{y} = x_{is}(x_{y}) - x_{3}^{2} + 4x_{3}^{2}$ 
 $f_{xy} = c_{is}(x_{y}) - x_{3}^{2} + 4x_{3}^{2}$ 
 $f_{yy} = -x^{2}s_{in}(x_{y}) + bx_{3}^{2}$ 

A)  $f_{x} = f_{ix}(x_{y}) + bx_{3}^{2}$ 
 $f_{yy} = -x^{2}s_{in}(x_{y}) + bx_{3}^{2}$ 

A)  $f_{x} = f_{x}(x_{y}) + bx_{3}^{2}$ 
 $f_{yy} = -x^{2}s_{in}(x_{y}) + bx_{3}^{2}$ 
 $f_{xy} = -x^{2}s_{in}(x_{y}) + bx_$ 

(b) 
$$y' + \frac{1}{2}y = \frac{e^2}{c}$$
  $\frac{1}{2} \frac{1}{2} \frac{1}$ 

 $\alpha \neq 0$ ,  $\alpha \leq n+-1 = 0$  has solves is  $|\alpha| \geq 1$ . So  $|\alpha| = \frac{-\alpha}{\alpha \leq n+-1}$  defined for all  $|\alpha| = 1$  (D)  $+\partial D + \nabla y = 0$   $-\partial \pm \sqrt{4-2} = -\partial \pm \sqrt{-16} = -\partial \pm 4i^{\circ} = -1\pm \partial i^{\circ}$   $yixl = C_{1}e^{-1}\cos \partial t + C_{2}e^{-1}\sin \partial t$ (A)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\cos \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t + C_{3}e^{-1}\sin \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t + C_{3}e^{-1}\sin \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t + C_{3}e^{-1}\sin \partial t$ (B)  $\pm \cos \partial t + C_{3}e^{-1}\sin \partial t + C_{3}e^{-1}\sin \partial t + C_{3}e^{$