$$0 = \gamma' + 2 \times \gamma = \sum_{n=1}^{\infty} n(_{n} \times^{n-1} + \sum_{n=0}^{\infty} 2(_{n} \times^{n+1}) - 2(_{n-1} \times^{m}) + \sum_{n=0}^{\infty} 2(_{n} \times^{n+1}) - 2(_{n-1} \times^{n+1}) - 2(_{$$

k7/0

Guess:

2. y' + 2xy = 0  $y = \sum_{n=0}^{\infty} c_n x^n$ 

3. 
$$(x+1)y^{1} = 3y$$

$$0 = xy^{1} + y^{1} - 3y$$

$$0 = \sum_{n=0}^{\infty} n_{C_{n}} x^{n+1} - \sum_{n=0}^{\infty} 3_{C_{n}} x^{n}$$

$$0 = \sum_{n=0}^{\infty} n_{C_{n}} x^{n+1} - \sum_{n=0}^{\infty} 3_{C_{n}} x^{n}$$

$$0 = \sum_{n=0}^{\infty} n_{C_{n}} x^{n} + \sum_{n=0}^{\infty} (m_{C_{n}} x^{n}) - \sum_{n=0}^{\infty} 3_{C_{n}} x^{n}$$

$$0 = \sum_{n=0}^{\infty} (n_{C_{n}} x^{n}) + \sum_{n=0}^{\infty} (m_{C_{n}} x^{n}) - \sum_{n=0}^{\infty} 3_{C_{n}} x^{n}$$

$$0 = \sum_{n=0}^{\infty} (n_{C_{n}} x^{n}) + \sum_{n=0}^{\infty} (m_{C_{n}} x^{n}) - \sum_{n=0}^{\infty} 3_{C_{n}} x^{n}$$

$$0 = \sum_{n=0}^{\infty} (n_{C_{n}} x^{n}) + \sum_{n=0}^{\infty} (m_{C_{n}} x^{n}) - \sum_{n=0}^{\infty} 3_{C_{n}} x^{n}$$

$$0 = \sum_{n=0}^{\infty} (n_{C_{n}} x^{n}) + \sum_{n=0}^{\infty} (m_{C_{n}} x^{n}) - \sum_{n=0}^{\infty} 3_{C_{n}} x^{n}$$

$$0 = \sum_{n=0}^{\infty} (n_{C_{n}} x^{n}) + \sum_{n=0}^{\infty} (m_{C_{n}} x^{n$$