A.OD. (Locar Max / locar Min) Omi 1 find the absolute Maximum and Absolute Minimum value of hunchen f(x)= (os2x + Sinx; x ∈ [0,3] ANS Max= 5/y; Min= 1

ON.2 + Find the points at which the function $f(n) = (n-2)^{\gamma} (n+1)^{\gamma} \text{ has local Maxima,}$ local minimon & point y Inflexion

Any Max at n=2/2; Min at n=2; point y Inflexion

at n=1

One 3 + Find the points y local maxima, pointy local Minima, local Max. value & local minimale of forliving Lenchen

$$(Y)$$
 $f(\eta) = 2 \sin \chi - \chi$; $-2 = \gamma = 2$

Anss

- (1) local Minimu value = 2 at x = 2 local Max. value = 1/2 at x = 0
- [2] local Maximus value 253 at x=2/3 NO laar Minimus value
 - (3) local Max value = 3 cut 21 = 7/6

 local Mrn value = 1/2 at 21 = 7/2
 - (4)'' local Max valu = $\sqrt{3} 71_3$ at $x = \frac{7}{3}$ local Min valu = $-\sqrt{3} + 71_3$ at $x = -\frac{7}{3}$
 - (i) locar Mix value = 1/2 at 21= 7/4
 No locar Max value
- On 4 + Front absorbly Max & absorbly Min value

 of Offine 344 843 + 1242 48 x + 1 on [1,4]

Am Abs. Max value - 257

Abs-Min valle - 59

(2) f(m) = (n-2) \square \square \cdot \lambda \square \cdot \lambda \

Aby Min value = 14

Aby Min value = -3

44/3

- 4 -