a)
$$f(x) = x^{2} = 30x + 1$$
 $f'(x) = 2x - 30$
 $f(15) = 2 = 24$
 $2x - 30 = 0$
 $f''(x) = 2$
 $2x - 30 = 0$
 $f''(x) = 2$
 f'

 $9(-\frac{7}{3}) = -(\frac{7^{3}}{2\frac{7}{3}}) + \frac{35}{3} - \frac{7}{4} + \frac{49}{9} + 17 = -542$ m. reporusa (-11-542) Ombem: 2 13 & (-5) -58) X = 123 m. max (1, 482) m. nepceusa (-7, -542) $h(x) = x^2 - \frac{1}{x} \quad h(\sqrt[3]{2}) = (\sqrt[3]{2}) - (\sqrt[3]{2}) = -\sqrt[3]{2}$ h'(x) = 2 x + 1/2 2x-1/2=0 $h''(x) = 2 - \frac{2}{2} = 1 > 0,3 \text{ fazur}$ m. min X = 1 (11/20)/ M ne perusa (0!1) Omben: 3 (3/2 1 - 3/2) - n. min, m. nepernda(0:1)