Mini Teste - Funções 2 - 10ano -Matemática A erça-feira, 28 de janeiro de 2025 11:19 $Q = \frac{0 - \frac{3}{2}}{2 - C} =$ $\left(\mathcal{O}_{1} \stackrel{\mathbf{Z}}{\succeq}\right)$ (2,0) - (3-11) = -3 -> re-las para lelos tem o mesmo (=) $-3+1(=-\frac{3}{2})$ CIK = -3 +3 HK= 9 Ruestac 2 $(K-z)^2 - 4 \times 1 \times 9 = 0$ $(11-2)^2 = 36$ $(=) ((-2 = \pm \sqrt{36})$ CH K= -6+2 U K=6+2 (7 K = -4 U K = 8 D'= [0,+00[Questac (4) a) h(x)=0 1x+21-2=0

Questice
$$\Psi$$

a) $h(x) = 0$

(=1 $|x+2|-2=0$

(=1 $|x+3|-2=0$

 $A = \frac{bxh}{2} = \frac{4x2}{2} = 4 \text{ m.a.}$ $|x+2| = \begin{cases} x+2 & \text{se} & x+2 > 0 \\ -x-2 & \text{se} & x+2 < 0 \end{cases}$ $= \int_{-x-2}^{x+2} x + 2 = x - 2$

b) B(-z,-z)

b=0-(-4)=4 y=1981=2

$$h(u) = \begin{cases} x+2-2 & \text{se } x > -2 \\ -x-2-2 & \text{se } x < -2 \end{cases}$$

$$= \begin{cases} x & \text{se } x > -2 \\ -x-4 & \text{se } x < -2 \end{cases}$$

$$f(x) = x^2 + 3x \qquad g(x) = -x$$

$$a) \quad f(u) = g(x)$$

$$= x^2 + 3x = -x \qquad \qquad = a(-4)$$

> g(-4) = -(-4) = 4 $(=) \chi^{2} + 4\chi = 0$ T(-4,4) a x=0 Vx+4=0 ponto o ponto I 5) f(x) <-2 C. Aux: (=1 ×2+312-2 $\chi^2 + 3\chi + 2 = 0$ (= x2+3x+220) (=1 X = -3 + 132-4x1x2 = $\chi = -1 \ \forall \ \chi = -2$ 5=7-2,-1 $C) A = \overline{AB \times GC}$ $A(\gamma, -\mu)$ $\mathcal{B}(\chi, \chi^2 + 3\chi)$ $= \frac{(-\chi^2 - 4\pi)(-\mu)}{}$ C (x,0) $=\frac{\chi^{3}+4\chi^{2}}{2}$ $A\overline{B} = -\chi - (\chi^2 + 3\chi)$ $= -\chi - \chi^2 - 3\chi$ $= \frac{\chi^3}{Z} + \frac{4\chi^2}{7}$ $=-\chi^2-4\chi$

OC = /xc/ = -x

 $=\frac{\chi^3}{2}+2\chi^2$

 $\frac{1}{2} h(x) = \frac{x^3}{2} + 2x^2$