exercice 1:

$$\{-1', +\infty \{ (0, 1) \}$$

(DX) -4 +0 -(=) (x2) +4

h(x) E(x)-4

E(2) - 4+0.

C=5 4 (R(x²) (5

C=1]0; 2[U[V5; +00[.

on poseque & = 122.

13 = 6 - 40.C

2 - 4 = 0 - - 5 - = - = - 1

 $= 1^{2} + 2 \cdot -1 + 1$ = 1 - 2 + 1 = 0

13/5- 1B.

0865

fo(x)=fonog(TK)-

なもう、

2x - Vx2+1 +0 3x +1 plus degre. C= 2x - 1x2 $\frac{2}{3} = \frac{1}{3}$ 3) Li JAL - 3/2 - 2 /2 1 - 25c

(=) - 1 = - P.

$$\frac{-2x^{2}+2}{3x^{2}+2x+1}$$

$$\frac{-2x^{2}+2}{3x^{2}+2x+1}$$

$$\frac{-2x^{2}}{3x^{2}}$$

$$\frac{-2}{3}$$

ex 3)

L' 1- (05 (3 K)

1-Cor(15c) = 3 sin (3c) 35 (3K) 8} (=> \$ (3K) 2x x3 5 x 6 <- (8)

$$\frac{2+1}{2+1}$$

$$\frac{2}{2+1}$$

$$\frac{2}{2+1}$$

$$\frac{1}{2+1}$$

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$$\left(\ln \left(2 + 1 \right) + 8 + 1 \right) = 2 + 1$$

$$\left(\ln \left(2 + 1 \right) \right) = 1$$

$$\left(\ln \left(2 + 1 \right) \right) = 1$$

$$-1$$
 $\frac{1}{2+2}+1=2$.

3/ (3(k) - 1-x2 onon défine sur 1 et -1 2 (1 - 2) (1-x) (1-x2) (o--b) -- al -20b + b2 1 - 2 x + 5e

 $a^2 - b^2 - (0c - b) (oct b)$

 $\frac{1}{1-10} - \frac{2}{1-10}$

1-2/-x 1-2/-x 1-4/(1+x)//x 1-4/-x

1- 1 The