$$\frac{ExA}{y} = \ln(x^2-3)$$

$$f(x) = W(x^2-3)$$

$$\int_{0}^{1} (x) = \frac{2x}{x^2 - 3}$$

$$= \mathcal{D}$$

•
$$\int_{-\infty}^{\infty} (x) = \frac{2x}{x^2 - 3} = D$$
 $M = \int_{-\infty}^{\infty} (2) = \frac{2 \cdot 2}{2^2 - 3} = \frac{4}{1} = 4$

$$\{(2) = \mu(2^2 - 3) = \mu(1) = 0$$

$$\int (2) = \ln(2^2 - 3) = \ln(1) = 0 = D \quad T(2; 0) \in t = D \quad 0 = 4.2 + h$$

Variante avec formule:

•
$$\int_{-1}^{1} (x) = \frac{2x}{x^2 - 3} = D$$
 $\int_{-1}^{1} (2) = \frac{2 \cdot 2}{2^2 - 3} = \frac{4}{1} = 4$

•
$$(2) = \ln(2^2 - 3) = \ln(1) = 0$$

$$=D$$
 t: $y-0 = 4(x-2)$ $\Rightarrow y = 4x-8$

$$y = 4x - 8$$

$$M = \frac{M(x)}{x}$$

$$f(x) = \frac{m(x)}{x}$$

$$X = U \qquad (x) \qquad U = X$$

$$U = W(x) \qquad U = x$$

$$U' = \frac{1}{x} \qquad U' = 1$$

$$M = \begin{cases} 1/1 = \frac{1 - \ln(1)}{1^2} = \frac{1 - 0}{1} = 1$$

$$\{U\} = \frac{U(1)}{1} = 0$$

•
$$f(u) = \frac{h(u)}{1} = 0$$
 => $T(1;0) \in t = 0$ 0 = 1 + h = -1

$$= D \qquad \text{t:} \quad y = x - 1$$

(comigé ex 3 et 4 cf. comigé ex. d'examen)