

Formulare

2.12

HOME MADE



$$A = x^2 + (10-x)^2$$

$$= x^2 + 100 - 20x + x^2$$

$$= 2x^2 - 20x + 100$$

A' dessiner

$$(a-b)^2 = a^2 - 2ab + b^2$$

$$(a-b)(a-b) = a^2 - ab - ba + b^2 = a^2 - 2ab + b^2$$

$$(10-x)^2 = 10^2 - 2 \cdot 10 \cdot x + x^2$$

$$(a-b)^2 = a^2 - 2ab + b^2$$

$$a \leftarrow 10 \quad b \leftarrow x$$

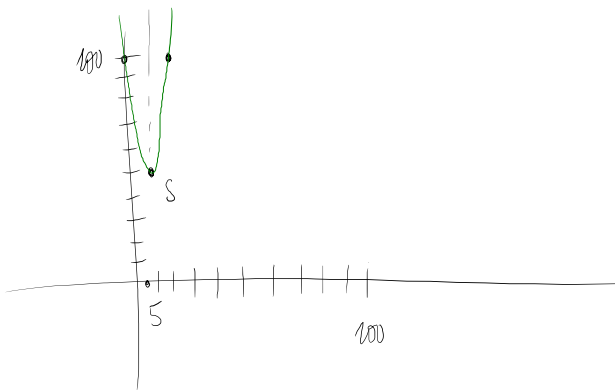
→ are mh.

$$y = 2 \cdot 5^2 - 20 \cdot 5 + 100 = 50 - 100 + 100 = \underline{\underline{50}}$$

$$\Delta = -400 \Rightarrow \text{pas de zéros}$$

$$S: \frac{20}{4} = 5 = x$$

distance de A à B



$$2x^2 + bx + c$$

$$\Delta = b^2 - 4 \cdot 2 \cdot c$$

$$x = \frac{-b \pm \sqrt{\Delta}}{2a}$$

$$S : \left( -\frac{b}{2a} ; a \left( -\frac{b}{2a} \right)^2 + b \cdot \left( -\frac{b}{2a} \right) + c \right)$$