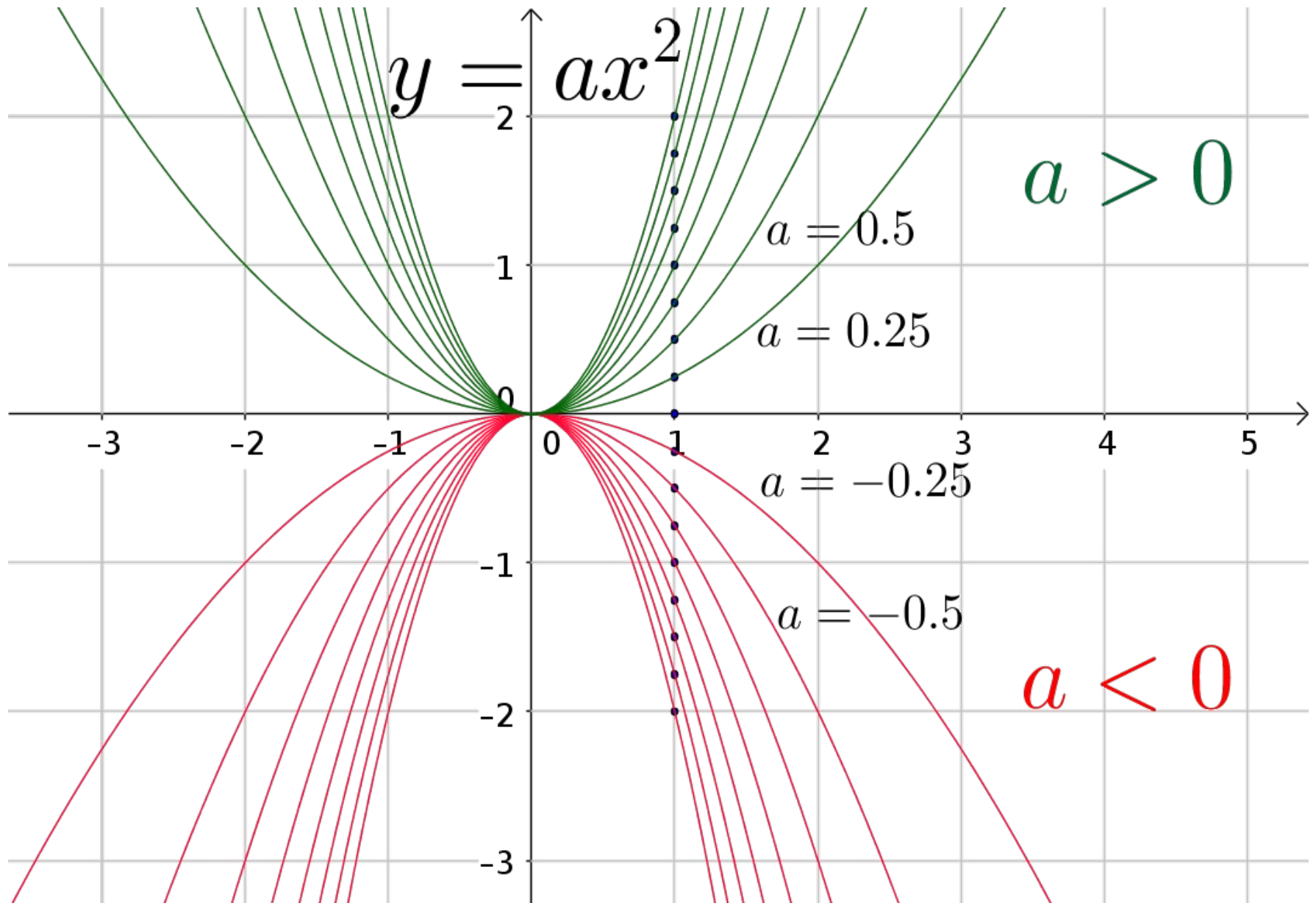


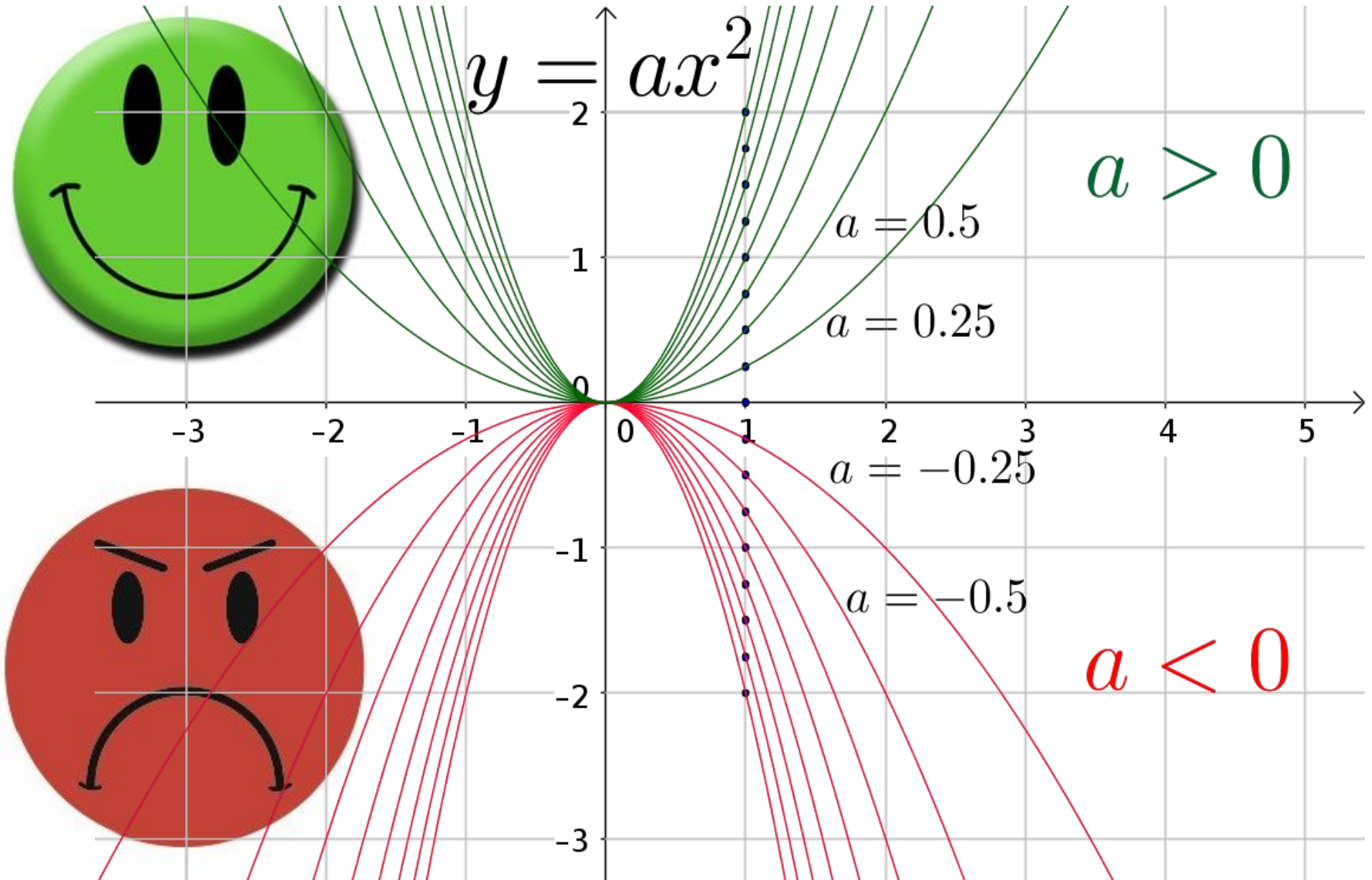
Polynomes du second degré

$$f(x) = ax^2 + bx + c$$

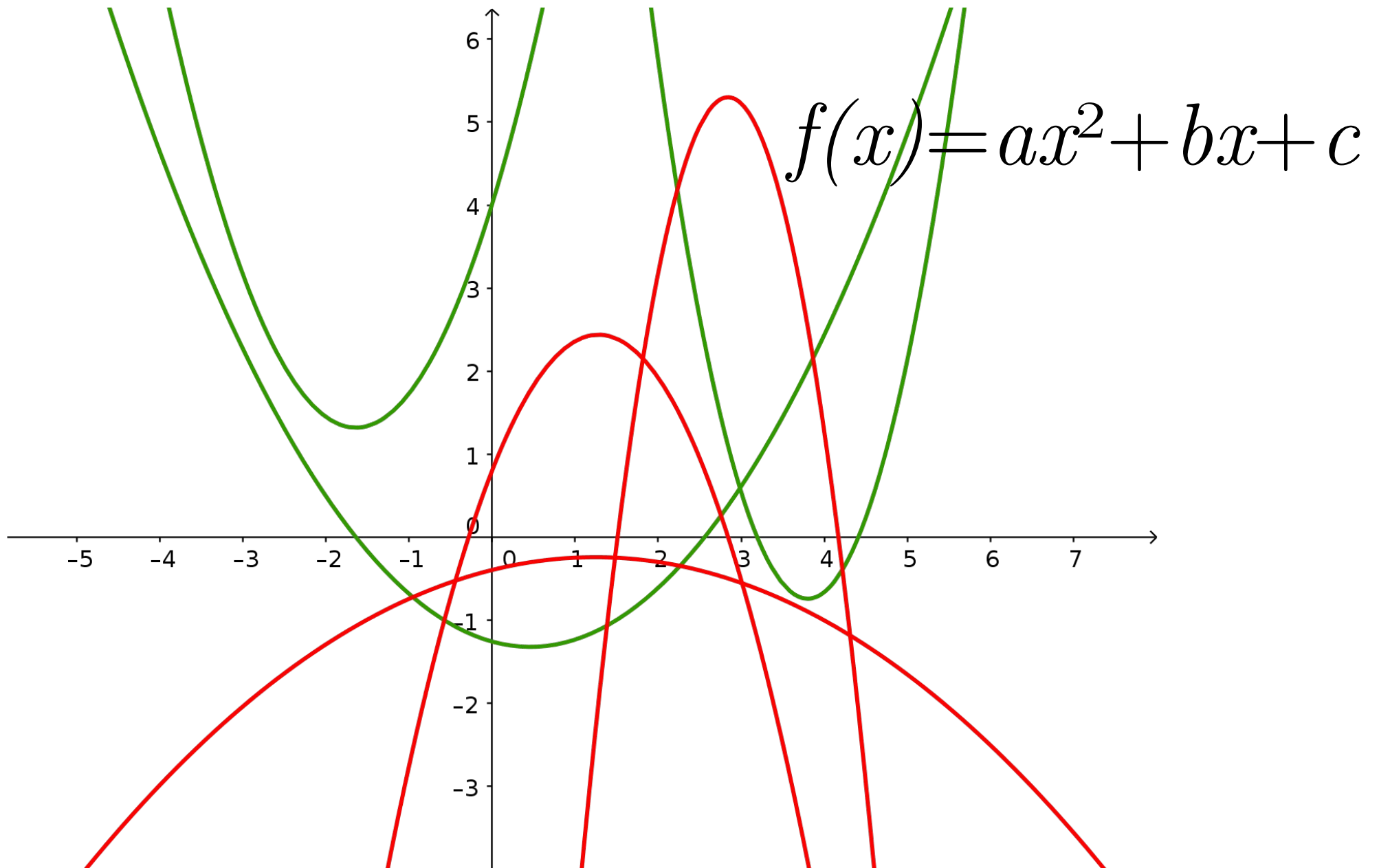
Polynomes du second degré



Polynomes du second degré



Polynomes du second degré



Polynomes du second degré

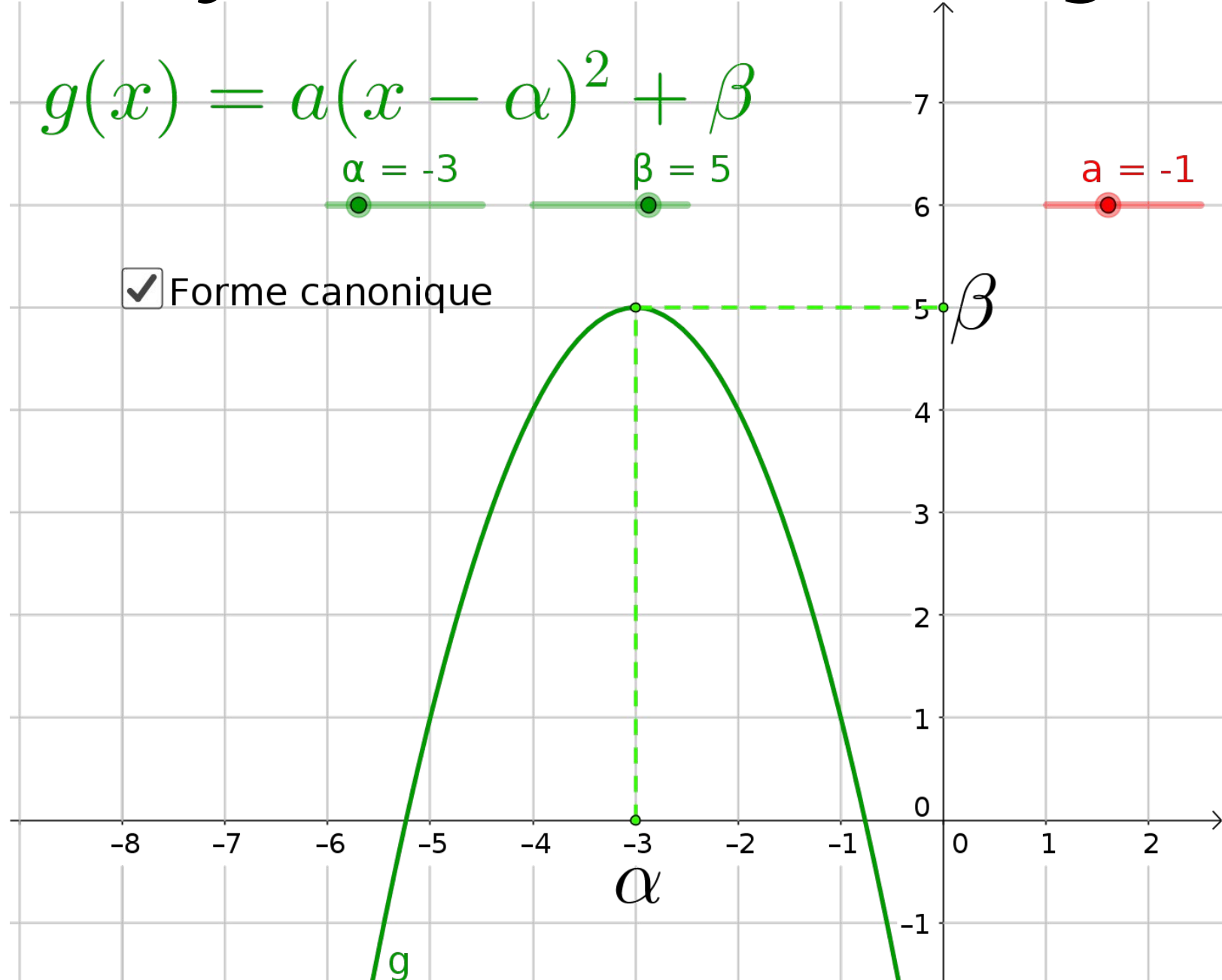
$$g(x) = a(x - \alpha)^2 + \beta$$

$$\alpha = -3$$

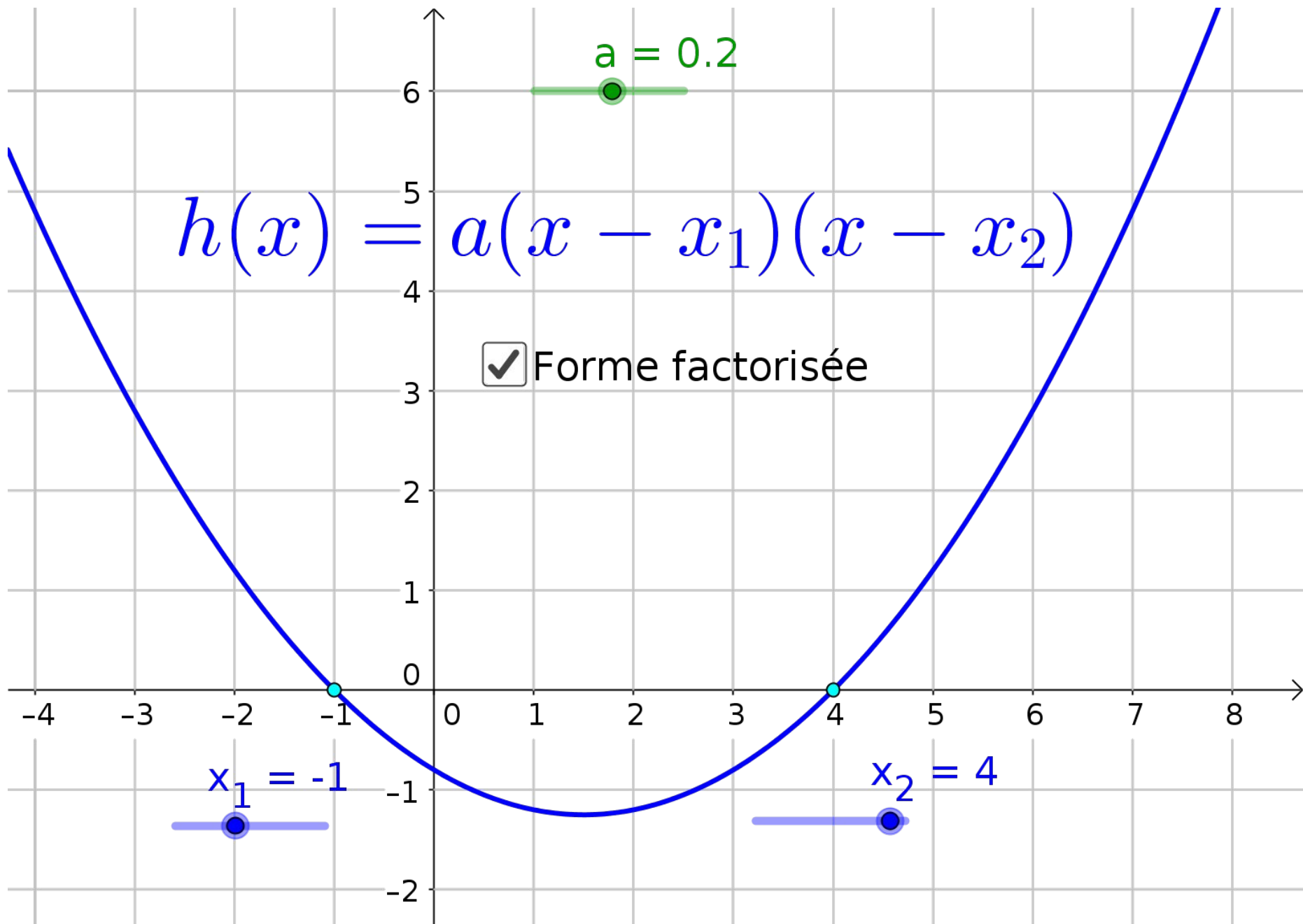
$$\beta = 5$$

$$a = -1$$

Forme canonique



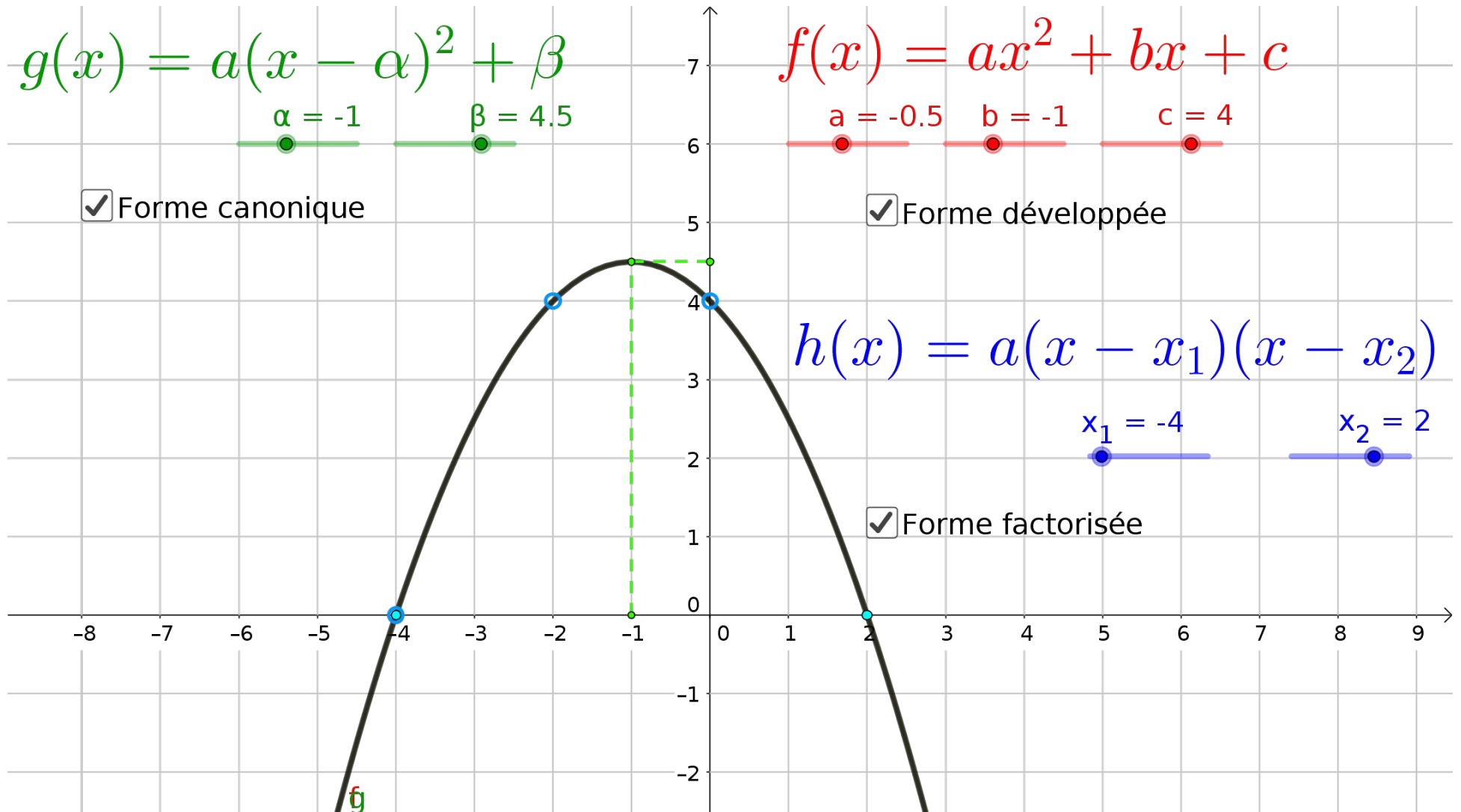
Polynomes du second degré



Polynômes du second degré

Écrire les trois expressions de $f(x)$, $g(x)$ et $h(x)$.

Vérifier par le calcul qu'elles sont égales.



Polynomes du second degré

$$f(x) = -\frac{1}{2}x^2 - x + 4$$

$$g(x) = -\frac{1}{2}(x+1)^2 + 4,5$$

$$h(x) = -\frac{1}{2}(x+4)(x-2)$$