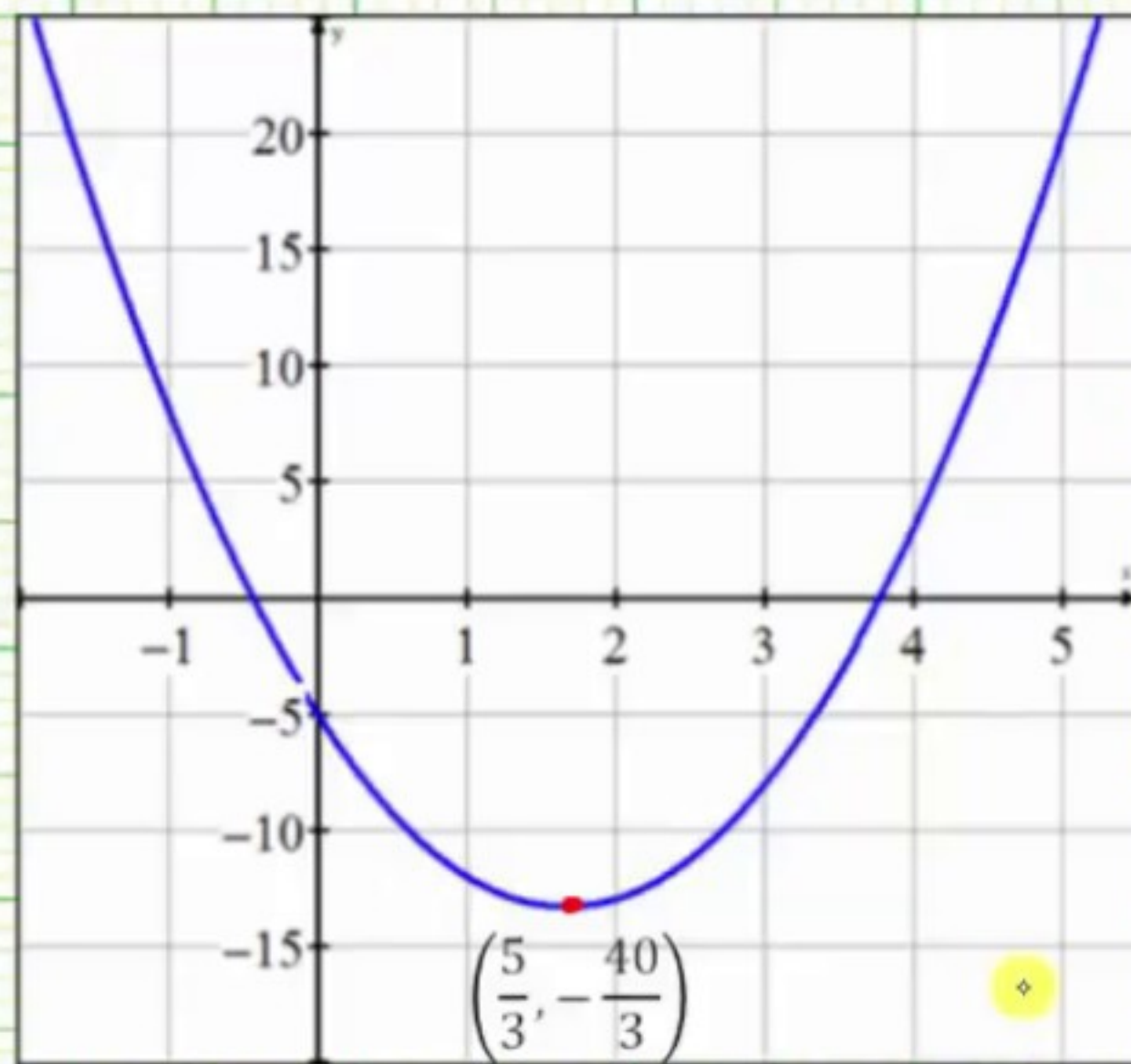


Quadratic Functions: General Form to Vertex Form Using a Formula

Write the given quadratic function in vertex form.

$$f(x) = 3x^2 - 10x - 5$$



Vertex Form

$$f(x) = a(x - h)^2 + k$$

Vertex: (h, k)

$$f(x) = 3\left(x - \frac{5}{3}\right)^2 - \frac{40}{3}$$

