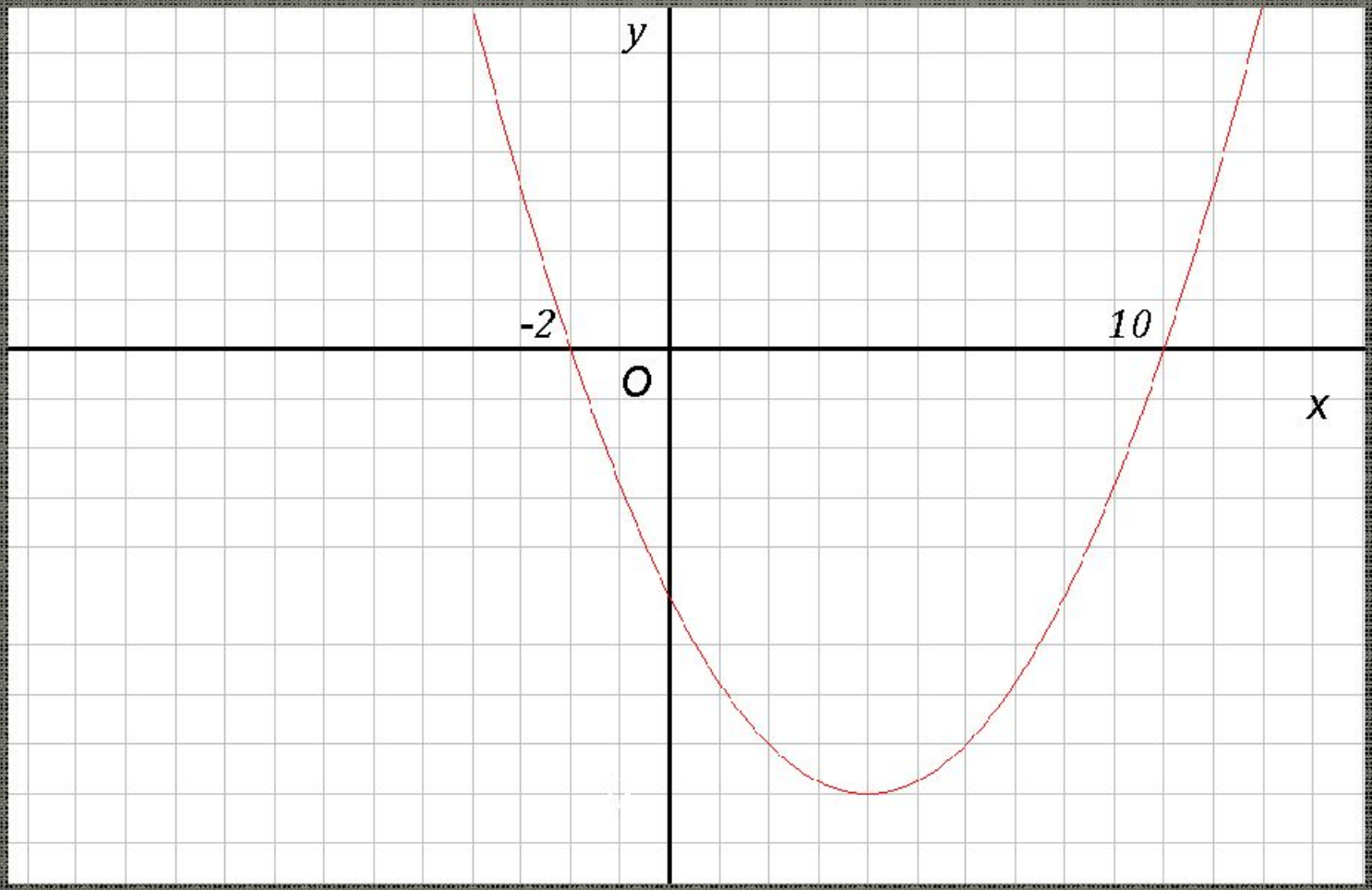$$y = \frac{1}{4}x^2 - 2x - 5$$