Newton's Method

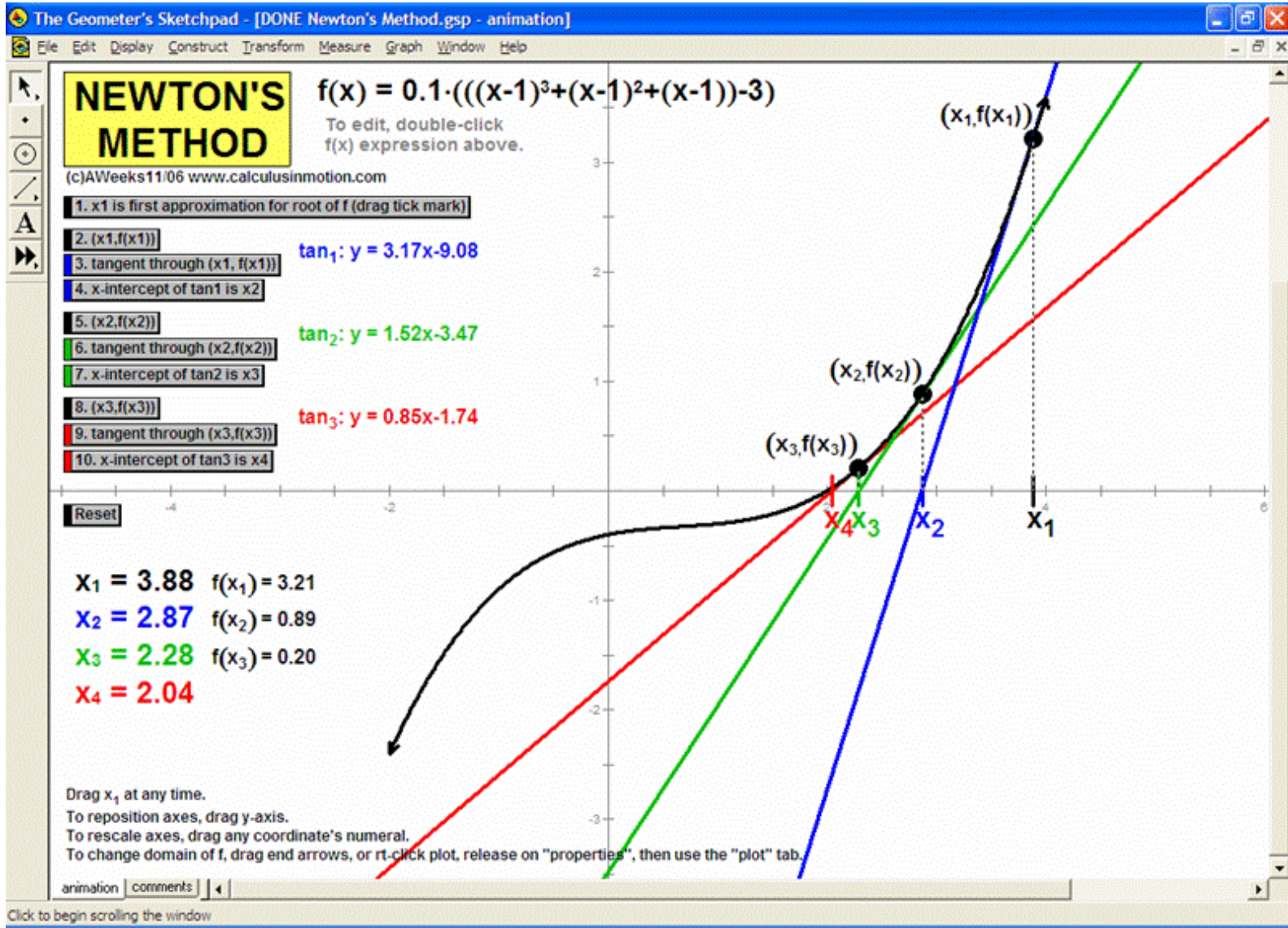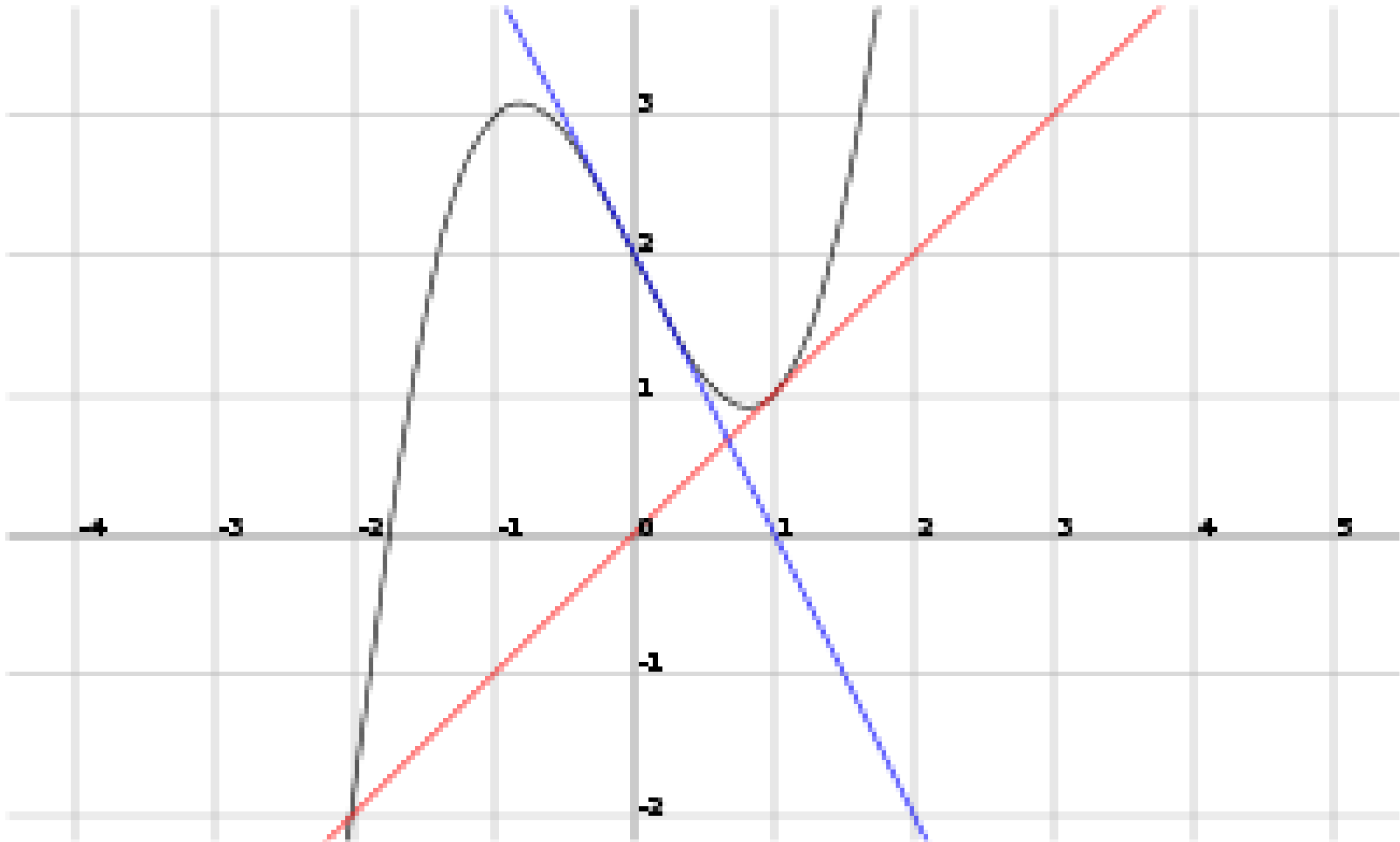# Note Newton's method only works if you choose x_1 carefully