

1. Find the slope of the line tangent to the curve  $x^3 + 2y^3 - x^2y^4 = x$  at the point  $(2, -1)$ .
2. Find the slope of the line tangent to the curve  $y^3 - 2xy^2 + x^4 = 1$  at the point  $(1, 2)$ .