

Maple problems:

- (1) Find the roots of $y = 2x^3 - 3x^2 + 6x + 2$, displaying them as $x1$, $x2$ and $x3$. Graph this function on the interval $[-3, 3]$.
- (2) Determine the integral $\int_1^5 \frac{1}{\sqrt{3x^4 - x^2 - 2}} dx$.
- (3) Display the slope field and solution curves for the differential equations in problems 1.3.3 and 1.3.8.