Практическое занятие 5

Найти производные функции.

1. $y= x^{2}+\sqrt[5]{x^{3}}+3x$;
2. $y=\left(x^{2}+3\right)^{4}$;
3. $y=\frac{sin2x}{cosx-1}$;
4. $y=\left(x^{2}+2x+5\right)\left(cosx+tgx\right)$;
5. $y=ln^{2}(x-3x^{2})$;
6. $y=arcsin^{3}(tgx^{2})$;
7. $\left\{\begin{array}{c}x=t^{3}-3t^{2}+t\\y=cost-t^{2}\end{array}\right.$
8. $\left\{\begin{array}{c}x=2^{t}-t\\y=\frac{t}{t-1}\end{array}\right.$
9. $y= \left(sinx\right)^{lnx}$;
10. $y= \left(x^{2}-1\right)^{sinx}$.