

2013\_W\_M1\_KOKOTOV

1.  $x^2 dy = (y^2 - xy + x^2) dx$

2.  $y' - \frac{y}{x} = -x$

3.  $x^2 y' = y(x + y)$

4.  $\frac{2x dx}{y^3} + \frac{(y^2 - 3x^2) dy}{y^4} = 0$