

Варіант № 1 1. $y'' + y' - 2y = 0$ 2. $y'' - 6y' + 8y = 0$ 3. $y'' - 2y' + 2y = 0$ 4. $y'' + 10y' + 25y = 0$ 5. $y'' - 4y' + 5y = 0$	Варіант № 5 1. $y'' + 4y' - 5y = 0$ 2. $y'' + 4y' + 4y = 0$ 3. $y'' - 2y' + 10y = 0$ 4. $4y'' + 4y' + y = 0$ 5. $y'' + 6y' + 13y = 0$	Варіант № 9 1. $y'' - 7y' + 10y = 0$ 2. $y'' - 5y' + 6y = 0$ 3. $y'' + 3y' + 2y = 0$ 4. $y'' - 5y' + 4y = 0$ 5. $y'' + 2y' - 8y = 0$	Варіант № 13 1. $y'' + 5y' + 6y = 0$ 2. $y'' + 3y' - 4y = 0$ 3. $y'' - 5y' + 2y = 0$ 4. $y'' + y' - 2y = 0$ 5. $y'' - 10y' + 25y = 0$
Варіант № 2 1. $y'' + 2y' + y = 0$ 2. $y'' + 4y' + 7y = 0$ 3. $y'' - 2y' + 5y = 0$ 4. $y'' + 4y' + 29y = 0$ 5. $y'' + y' + y = 0$	Варіант № 6 1. $y'' + 5y' - 6y = 0$ 2. $y'' + 3y' - 4y = 0$ 3. $y'' - 5y' + 2y = 0$ 4. $y'' + y' - 2y = 0$ 5. $y'' - 10y' + 25y = 0$	Варіант № 10 1. $y'' - 2y' - 3y = 0$ 2. $y'' + 6y' + 9y = 0$ 3. $y'' - 3y' - 4y = 0$ 4. $y'' + 8y' + 25y = 0$ 5. $y'' - y' - 6y = 0$	Варіант № 14 1. $y'' + 4y' - 5y = 0$ 2. $y'' - 7y' + 12y = 0$ 3. $y'' - 2y' + 10y = 0$ 4. $y'' - 4y' + 13y = 0$ 5. $y'' + 2y' - 3y = 0$
Варіант № 3 1. $y'' + 5y' + 6y = 0$ 2. $y'' + 6y' + 9y = 0$ 3. $y'' - 3y' - 4y = 0$ 4. $y'' + 8y' + 25y = 0$ 5. $y'' - y' - 6y = 0$	Варіант № 7 1. $y'' - 4y' + 4y = 0$ 2. $y'' - 7y' + 12y = 0$ 3. $y'' - 2y' + 10y = 0$ 4. $y'' - 4y' + 13y = 0$ 5. $y'' + 2y' - 3y = 0$	Варіант № 11 1. $y'' + y' - 2y = 0$ 2. $y'' + 9y' - 10y = 0$ 3. $y'' - 4y' + 3y = 0$ 4. $y'' + 2y' + 4y = 0$ 5. $y'' - 3y' - 4y = 0$	Варіант № 15 1. $y'' + 5y' - 6y = 0$ 2. $y'' - y' - 2y = 0$ 3. $y'' - 8y' + 15y = 0$ 4. $y'' - 6y' + 9y = 0$ 5. $y'' + y' - 20y = 0$
Варіант № 4 1. $y'' - 2y' + y = 0$ 2. $y'' + 9y' - 10y = 0$ 3. $y'' - 4y' + 3y = 0$ 4. $y'' + 2y' + 4y = 0$ 5. $y'' - 3y' - 4y = 0$	Варіант № 8 1. $y'' - 3y' + 2y = 0$ 2. $y'' - y' - 2y = 0$ 3. $y'' - 8y' + 15y = 0$ 4. $y'' - 6y' + 9y = 0$ 5. $y'' + y' - 20y = 0$	Варіант № 12 1. $y'' + 2y' + y = 0$ 2. $y'' + 4y' + 4y = 0$ 3. $y'' - 2y' + 10y = 0$ 4. $4y'' + 4y' + y = 0$ 5. $y'' + 6y' + 13y = 0$	Варіант № 16 1. $y'' - 4y' + 4y = 0$ 2. $y'' - 5y' + 6y = 0$ 3. $y'' + 3y' + 2y = 0$ 4. $y'' - 5y' + 4y = 0$ 5. $y'' + 2y' - 8y = 0$

Варіант № 17 $y'' + y' - 2y = 0$ $y'' - 6y' + 8y = 0$ $y'' - 2y' + 2y = 0$ $y'' + 10y' + 25y = 0$ $y'' - 4y' + 5y = 0$	Варіант № 21 $y'' + 4y' - 5y = 0$ $y'' + 4y' + 4y = 0$ $y'' - 2y' + 10y = 0$ $4y'' + 4y' + y = 0$ $y'' + 6y' + 13y = 0$	Варіант № 25 $y'' - 7y' + 10y = 0$ $y'' - 5y' + 6y = 0$ $y'' + 3y' + 2y = 0$ $y'' - 5y' + 4y = 0$ $y'' + 2y' - 8y = 0$	Варіант № 29 $y'' + 5y' + 6y = 0$ $y'' + 3y' - 4y = 0$ $y'' - 5y' + 2y = 0$ $y'' + y' - 2y = 0$ $y'' - 10y' + 25y = 0$
Варіант № 18 $y'' + 2y' + y = 0$ $y'' + 4y' + 7y = 0$ $y'' - 2y' + 5y = 0$ $y'' + 4y' + 29y = 0$ $y'' + y' + y = 0$	Варіант № 22 $y'' + 5y' - 6y = 0$ $y'' + 3y' - 4y = 0$ $y'' - 5y' + 2y = 0$ $y'' + y' - 2y = 0$ $y'' - 10y' + 25y = 0$	Варіант № 26 $y'' - 2y' - 3y = 0$ $y'' + 6y' + 9y = 0$ $y'' - 3y' - 4y = 0$ $y'' + 8y' + 25y = 0$ $y'' - y' - 6y = 0$	Варіант № 30 $y'' + 4y' - 5y = 0$ $y'' - 7y' + 12y = 0$ $y'' - 2y' + 10y = 0$ $y'' - 4y' + 13y = 0$ $y'' + 2y' - 3y = 0$
Варіант № 19 $y'' + 5y' + 6y = 0$ $y'' + 6y' + 9y = 0$ $y'' - 3y' - 4y = 0$ $y'' + 8y' + 25y = 0$ $y'' - y' - 6y = 0$	Варіант № 23 $y'' - 4y' + 4y = 0$ $y'' - 7y' + 12y = 0$ $y'' - 2y' + 10y = 0$ $y'' - 4y' + 13y = 0$ $y'' + 2y' - 3y = 0$	Варіант № 27 $y'' + y' - 2y = 0$ $y'' + 9y' - 10y = 0$ $y'' - 4y' + 3y = 0$ $y'' + 2y' + 4y = 0$ $y'' - 3y' - 4y = 0$	Варіант № 31 $y'' + 5y' - 6y = 0$ $y'' - y' - 2y = 0$ $y'' - 8y' + 15y = 0$ $y'' - 6y' + 9y = 0$ $y'' + y' - 20y = 0$
Варіант № 20 $y'' - 2y' + y = 0$ $y'' + 9y' - 10y = 0$ $y'' - 4y' + 3y = 0$ $y'' + 2y' + 4y = 0$ $y'' - 3y' - 4y = 0$	Варіант № 24 $y'' - 3y' + 2y = 0$ $y'' - y' - 2y = 0$ $y'' - 8y' + 15y = 0$ $y'' - 6y' + 9y = 0$ $y'' + y' - 20y = 0$	Варіант № 28 $y'' + 2y' + y = 0$ $y'' + 4y' + 4y = 0$ $y'' - 2y' + 10y = 0$ $4y'' + 4y' + y = 0$ $y'' + 6y' + 13y = 0$	Варіант № 32 $y'' - 4y' + 4y = 0$ $y'' - 5y' + 6y = 0$ $y'' + 3y' + 2y = 0$ $y'' - 5y' + 4y = 0$ $y'' + 2y' - 8y = 0$

Вариант № 1 1. $y' + \frac{x^2 y}{x^3 + 1} = x^2 + x^5$ 2. $y' - \frac{xy}{x^2 - 9} = x^3$ 3. $x^2 y' + y' - 2xy = 0$ 4. $y' + \frac{y}{x} = x^2$ 5. $(x^2 + 1)y' + 4xy = 1$	Вариант № 5 1. $y' = \frac{y}{x} + x$ 2. $y' + 2y = 4x$ 3. $y' + 2xy = xe^{-x^2}$ 4. $y' - 3x^2 y - x^2 = 0$ 5. $xy' + 2y = \cos x$	Вариант № 9 1. $y' + \frac{2y}{x} = \frac{e^{-x^2}}{x}$ 2. $y' = \frac{y}{x} - 1$ 3. $y' + xy = x$ 4. $y' + xy = x^2$ 5. $y' - \frac{3y}{x} = e^x x^3$	Вариант № 13 1. $y' + \frac{y}{x} = x^2$ 2. $(1 + x^2)y' - 2xy = (1 + x^2)^2$ 3. $y' - \frac{y}{1+x} + x^2 = 0$ 4. $xy' + y - e^{-x} = 0$ 5. $y' - 3x^2 y - x^2 = 0$
Вариант № 2 1. $y' - \frac{3}{x}y = x$ 2. $y' + y \cdot \operatorname{tg} x = \cos x$ 3. $xy' + 2y = x^4$ 4. $(1 + x^2)y' - 2xy = (1 + x^2)^2$ 5. $xy' + 2y = e^{-x^2}$	Вариант № 6 1. $y' - \frac{2y}{x+1} = (x+1)^3$ 2. $y' + 2y = x^2 + 2x$ 3. $x^2 y' - 2xy = 3$ 4. $y' + \frac{3x^2 y}{x^3 + 8} = 1$ 5. $2y' - 6y + x^2 = 0$	Вариант № 10 1. $y' + \frac{x^2 y}{x^3 + 1} = x^2 + x^5$ 2. $xy' - y - 3 = 0$ 3. $y' - \frac{3}{x}y = x$ 4. $xy' - 2y = x + 1$ 5. $y' = x + y$	Вариант № 14 1. $(x^2 + 1)y' + 4xy = 1$ 2. $xy' + 2y = e^{-x^2}$ 3. $y' + \frac{1-2x}{x^2}y = 1$ 4. $y' + \frac{2y}{x} = \frac{1}{x^2}$ 5. $xy' + 2y = \cos x$
Вариант № 3 1. $xy' - y - 3 = 0$ 2. $y' - \frac{y}{x} = xe^x$ 3. $y' - \frac{2}{x}y = x^2 \cdot \ln x$ 4. $y' - \frac{y}{1+x} + x^2 = 0$ 5. $y' + \frac{1-2x}{x^2}y = 1$	Вариант № 7 1. $y' = x + y$ 2. $xy' - x^2 + 2y = 0$ 3. $y' - \frac{2y}{x+1} = (x+1)^3$ 4. $y' + \frac{3x^2 y}{x^3 + 1} = 1$ 5. $y' = \frac{y+1}{x}$	Вариант № 11 1. $y' - \frac{xy}{x^2 - 9} = x^3$ 2. $y' + y \cdot \operatorname{tg} x = \cos x$ 3. $y' - \frac{y}{x} = xe^x$ 4. $y' \cos x = (y+1) \sin x$ 5. $y' + 2y = 4x$	Вариант № 15 1. $y' - \frac{2y}{x+1} = (x+1)^3$ 2. $y' + 2y = x^2 + 2x$ 3. $x^2 y' - 2xy = 3$ 4. $xy' + y = x + 1$ 5. $y' = y + 1$
Вариант № 4 1. $xy' - 2y = x + 1$ 2. $y' \cos x = (y+1) \sin x$ 3. $y' - 2y - 3 = 0$ 4. $xy' + y - e^{-x} = 0$ 5. $y' + \frac{2y}{x} = \frac{1}{x^2}$	Вариант № 8 1. $y' + y = \cos x$ 2. $xy' - 2y = 2x^4$ 3. $xy' + y = x + 1$ 4. $y' = y + 1$ 5. $2ydx + (y^2 - 6x)dy = 0$	Вариант № 12 1. $x^2 y' + y' - 2xy = 0$ 2. $xy' + 2y = x^4$ 3. $y' - \frac{2}{x}y = x^2 \cdot \ln x$ 4. $y' - 2y - 3 = 0$ 5. $x^2 y' - 2xy = 3$	Вариант № 16 1. $y' + xy = x$ 2. $y' + xy = x^2$ 3. $y' - \frac{3y}{x} = e^x x^3$ 4. $y' + y \cdot \operatorname{tg} x = \cos x$ 5. $xy' + 2y = x^4$

Вариант № 17 $y' + \frac{x^2 y}{x^3 + 1} = x^2 + x^5$ $y' - \frac{xy}{x^2 - 9} = x^3$ $x^2 y' + y' - 2xy = 0$ $y' + \frac{y}{x} = x^2$ $(x^2 + 1)y' + 4xy = 1$	Вариант № 21 $y' = \frac{y}{x} + x$ $y' + 2y = 4x$ $y' + 2xy = xe^{-x^2}$ $y' - 3x^2 y - x^2 = 0$ $xy' + 2y = \cos x$	Вариант № 25 $y' + \frac{2y}{x} = \frac{e^{-x^2}}{x}$ $y' = \frac{y}{x} - 1$ $y' + xy = x$ $y' + xy = x^2$ $y' - \frac{3y}{x} = e^x x^3$	Вариант № 29 $y' + \frac{y}{x} = x^2$ $(1 + x^2)y' - 2xy = (1 + x^2)^2$ $y' - \frac{y}{1+x} + x^2 = 0$ $xy' + y - e^{-x} = 0$ $y' - 3x^2 y - x^2 = 0$
Вариант № 18 $y' - \frac{3}{x}y = x$ $y' + y \cdot \operatorname{tg} x = \cos x$ $xy' + 2y = x^4$ $(1 + x^2)y' - 2xy = (1 + x^2)^2$ $xy' + 2y = e^{-x^2}$	Вариант № 22 $y' - \frac{2y}{x+1} = (x+1)^3$ $y' + 2y = x^2 + 2x$ $x^2 y' - 2xy = 3$ $y' + \frac{3x^2 y}{x^3 + 8} = 1$ $2y' - 6y + x^2 = 0$	Вариант № 26 $y' + \frac{x^2 y}{x^3 + 1} = x^2 + x^5$ $xy' - y - 3 = 0$ $y' - \frac{3}{x}y = x$ $xy' - 2y = x + 1$ $y' = x + y$	Вариант № 30 $(x^2 + 1)y' + 4xy = 1$ $xy' + 2y = e^{-x^2}$ $y' + \frac{1-2x}{x^2}y = 1$ $y' + \frac{2y}{x} = \frac{1}{x^2}$ $xy' + 2y = \cos x$
Вариант № 19 $xy' - y - 3 = 0$ $y' - \frac{y}{x} = xe^x$ $y' - \frac{2}{x}y = x^2 \cdot \ln x$ $y' - \frac{y}{1+x} + x^2 = 0$ $y' + \frac{1-2x}{x^2}y = 1$	Вариант № 23 $y' = x + y$ $xy' - x^2 + 2y = 0$ $y' - \frac{2y}{x+1} = (x+1)^3$ $y' + \frac{3x^2 y}{x^3 + 1} = 1$ $y' = \frac{y+1}{x}$	Вариант № 27 $y' - \frac{xy}{x^2 - 9} = x^3$ $y' + y \cdot \operatorname{tg} x = \cos x$ $y' - \frac{y}{x} = xe^x$ $y' \cos x = (y+1) \sin x$ $y' + 2y = 4x$	Вариант № 31 $y' - \frac{2y}{x+1} = (x+1)^3$ $y' + 2y = x^2 + 2x$ $x^2 y' - 2xy = 3$ $xy' + y = x + 1$ $y' = y + 1$
Вариант № 20 $xy' - 2y = x + 1$ $y' \cos x = (y+1) \sin x$ $y' - 2y - 3 = 0$ $xy' + y - e^{-x} = 0$ $y' + \frac{2y}{x} = \frac{1}{x^2}$	Вариант № 24 $y' + y = \cos x$ $xy' - 2y = 2x^4$ $xy' + y = x + 1$ $y' = y + 1$ $2ydx + (y^2 - 6x)dy = 0$	Вариант № 28 $x^2 y' + y' - 2xy = 0$ $xy' + 2y = x^4$ $y' - \frac{2}{x}y = x^2 \cdot \ln x$ $y' - 2y - 3 = 0$ $x^2 y' - 2xy = 3$	Вариант № 32 $y' + xy = x$ $y' + xy = x^2$ $y' - \frac{3y}{x} = e^x x^3$ $y' + y \cdot \operatorname{tg} x = \cos x$ $xy' + 2y = x^4$

Вариант № 1 $xy' = tgy$ $y' = \frac{y^2-1}{x^2+1}$ $\frac{dy}{5\sqrt{y}} = dx$ $(x-1)^2dx + tgyxdy = 0$ $(1+x^2)y' + 1 + y^2 = 0$	Вариант № 5 $2\sqrt{y}dx - dy = 0$ $(\sqrt{xy} - \sqrt{y})dx - 2xdy = 0$ $x^2ydx + x^3dy = 0$ $(1+x^3)y' = 3x^2y$ $2xyy' = y^2 + 1$	Вариант № 9 $x^2dx + y^3e^{x+y}dy = 0$ $xy' - y = 0$ $(1+x^2)y' - xy = 0$ $1 + y^2 = y'\sqrt{x}$ $2xyy' = y^2 + 1$	Вариант № 13 $x\sqrt{1+y^2}dx + y\sqrt{1+x^2}dy = 0$ $yy' = \frac{1-2x}{y}$ $(1+x^2)y' + 1 + y^2 = 0$ $1 + y^2 = y'\sqrt{x}$ $(1+x^3)y' = 3x^2y$
Вариант № 2 $xy' - y = 0$ $yy' = \frac{1-2x}{y}$ $\cos^2ydx - (x^2+1)dy = 0$ $\frac{dy}{dx} = 1 - y^2$ $\frac{1+x^2}{y}dy - xdx = 0$	Вариант № 6 $(xy+x)dx - (y+x^2y)dy = 0$ $y' = x^3$ $y' = 10^{x-y}$ $xy' + y = y^2$ $(1+y^2)dx + xydy = 0$	Вариант № 10 $\sqrt{y}dx + x^2dy = 0$ $y' = \frac{y-1}{x+1}$ $\frac{dy}{dx} = 1 - y^2$ $xdx + ydy = 0$ $(x-1)^2dx + tgyxdy = 0$	Вариант № 14 $y' = x^3$ $x^2ydx + x^3dy = 0$ $\sqrt{y}dx + x^2dy = 0$ $\frac{dy}{5\sqrt{y}} = dx$ $\frac{dy}{dx} = 1 - y^2$
Вариант № 3 $(1+x^2)y' - xy = 0$ $\frac{xdx}{1+y} - \frac{ydy}{1+x} = 0$ $x^2dx + (y-1)dy = 0$ $1 + y^2 = y'\sqrt{x}$ $(1+e^x)yy' = e^x$	Вариант № 7 $xyy' = 1 - x^2$ $\sqrt{y}dx + x^2dy = 0$ $(xy^2+x)dx + (y-x^2y)dy = 0$ $xdx + ydy = 0$ $y'e^x = x$	Вариант № 11 $y'e^x = x$ $x^2ydx + x^3dy = 0$ $2xyy' = y^2 + 1$ $xy' - y = 0$ $\frac{xdx}{1+y} - \frac{ydy}{1+x} = 0$	Вариант № 15 $xy' - y = 0$ $y'e^x = x$ $\cos^2ydx - (x^2+1)dy = 0$ $xdx + ydy = 0$ $(1+x^2)y' - xy = 0$
Вариант № 4 $y' + y\sin 2x = 0$ $x^2y' + y^2 = 0$ $y' = \frac{y-1}{x+1}$ $(1+y^2)dx = xydy$ $\frac{x^2}{x^3+5}dx + \frac{y^2}{y^3+5}dy = 0$	Вариант № 8 $y' = 5$ $xy' - y = 0$ $x(y^2+1)dx - ye^{x^2}dy = 0$ $2\sqrt{x}y' = y$ $2yy'\sqrt{1-x^2} - e^{y^2} = 0$	Вариант № 12 $(\sqrt{xy} - \sqrt{y})dx - 2xdy = 0$ $xy' - y = 0$ $(1+y^2)dx + xydy = 0$ $x^2ydx + x^3dy = 0$ $2xyy' = y^2 + 1$	Вариант № 16 $xy' - y = 0$ $y' = 10^{x-y}$ $yy' = \frac{1-2x}{y}$ $(1+y^2)dx = xydy$ $2yy'\sqrt{1-x^2} - e^{y^2} = 0$

Вариант № 17 $xy' = tgy$ $y' = \frac{y^2-1}{x^2+1}$ $\frac{dy}{5\sqrt{y}} = dx$ $(x-1)^2 dx + tgyx dy = 0$ $(1+x^2)y' + 1 + y^2 = 0$	Вариант № 21 $2\sqrt{y}dx - dy = 0$ $(\sqrt{xy} - \sqrt{y})dx - 2xdy = 0$ $x^2 y dx + x^3 dy = 0$ $(1+x^3)y' = 3x^2 y$ $2xyy' = y^2 + 1$	Вариант № 25 $x^2 dx + y^3 e^{x+y} dy = 0$ $xy' - y = 0$ $(1+x^2)y' - xy = 0$ $1 + y^2 = y'\sqrt{x}$ $2xyy' = y^2 + 1$	Вариант № 29 $x\sqrt{1+y^2}dx + y\sqrt{1+x^2}dy = 0$ $yy' = \frac{1-2x}{y}$ $(1+x^2)y' + 1 + y^2 = 0$ $1 + y^2 = y'\sqrt{x}$ $(1+x^3)y' = 3x^2 y$
Вариант № 18 $xy' - y = 0$ $yy' = \frac{1-2x}{y}$ $\cos^2 y dx - (x^2 + 1)dy = 0$ $\frac{dy}{dx} = 1 - y^2$ $\frac{1+x^2}{y} dy - x dx = 0$	Вариант № 22 $(xy + x)dx - (y + x^2 y)dy = 0$ $y' = x^3$ $y' = 10^{x-y}$ $xy' + y = y^2$ $(1+y^2)dx + xydy = 0$	Вариант № 26 $\sqrt{y}dx + x^2 dy = 0$ $y' = \frac{y-1}{x+1}$ $\frac{dy}{dx} = 1 - y^2$ $x dx + y dy = 0$ $(x-1)^2 dx + tgyx dy = 0$	Вариант № 30 $y' = x^3$ $x^2 y dx + x^3 dy = 0$ $\sqrt{y}dx + x^2 dy = 0$ $\frac{dy}{5\sqrt{y}} = dx$ $\frac{dy}{dx} = 1 - y^2$
Вариант № 19 $(1+x^2)y' - xy = 0$ $\frac{xdx}{1+y} - \frac{ydy}{1+x} = 0$ $x^2 dx + (y-1)dy = 0$ $1 + y^2 = y'\sqrt{x}$ $(1+e^x)yy' = e^x$	Вариант № 23 $xyy' = 1 - x^2$ $\sqrt{y}dx + x^2 dy = 0$ $(xy^2 + x)dx + (y - x^2 y)dy = 0$ $x dx + y dy = 0$ $y'e^x = x$	Вариант № 27 $y'e^x = x$ $x^2 y dx + x^3 dy = 0$ $2xyy' = y^2 + 1$ $xy' - y = 0$ $\frac{xdx}{1+y} - \frac{ydy}{1+x} = 0$	Вариант № 31 $xy' - y = 0$ $y'e^x = x$ $\cos^2 y dx - (x^2 + 1)dy = 0$ $x dx + y dy = 0$ $(1+x^2)y' - xy = 0$
Вариант № 20 $y' + y \sin 2x = 0$ $x^2 y' + y^2 = 0$ $y' = \frac{y-1}{x+1}$ $(1+y^2)dx = xydy$ $\frac{x^2}{x^3+5} dx + \frac{y^2}{y^3+5} dy = 0$	Вариант № 24 $y' = 5$ $xy' - y = 0$ $x(y^2 + 1)dx - ye^{x^2} dy = 0$ $2\sqrt{x}y' = y$ $2yy'\sqrt{1-x^2} - e^{y^2} = 0$	Вариант № 28 $(\sqrt{xy} - \sqrt{y})dx - 2xdy = 0$ $xy' - y = 0$ $(1+y^2)dx + xydy = 0$ $x^2 y dx + x^3 dy = 0$ $2xyy' = y^2 + 1$	Вариант № 32 $xy' - y = 0$ $y' = 10^{x-y}$ $yy' = \frac{1-2x}{y}$ $(1+y^2)dx = xydy$ $2yy'\sqrt{1-x^2} - e^{y^2} = 0$