1. $(x+y)-(x-y)y'=0$
2. $y'+y=\dfrac{1}{1+e^x}$
3. $y'=-\dfrac{2xy+1}{x^2+2y}$
4. $y'=-\dfrac{2xy+1}{x^2+2y}$
5. $2\sin y\cos x+\cos y\sin xy'=0$
6. $y'=e^{x+y}$
7. $xy'=y+xe^{x/y}$
8. $y'=\dfrac{x^3-2y}{x}$