Answer any one :-

1. Solve $\left(xy^2 - e^{1/x^3} \right) dx - x^2 y\, dy = 0$

2. Solve $x\dfrac{dy}{dx} - y = x\sqrt{x^2 + y^2}$

3. Solve $p^3 - 4xyp + 8y^2 = 0$

4. Solve $3p^2y^2 - 2xyp + 4y^2 - x^2 = 0$