

ASSIGNMENT

Solve

1. $\frac{dy}{dx} = \frac{y}{1+x}.$

2. $\frac{dy}{dx} = \frac{y^2}{xy - x^2}.$

3. $xy^2dx + x^2ydy = 0.$

4. $\frac{dy}{dx} - 2xy = 0.$

5. $\frac{dy}{dx} - 3c^2y = 2y.$

6. $\frac{d^2y}{dx^2} - 4\frac{dy}{dx} + 5y = 0$
