Mathematics Department

2020/2021

Name:	**Implicit differentiations**	Date

Q1: - $y^2 = 3x$

a) $\frac{dy}{dx} = \frac{3}{2}$	b) $\frac{dy}{dx} = \frac{3}{2y}$	c) $\frac{dy}{dx} = 3 - 2y$	d) $\frac{dy}{dx} = \frac{2y}{3}$

Q2: - $sin\ y = x^2$

a) $\frac{dy}{dx} = 2x - cos\ y$	b) $\frac{dy}{dx} = cos\ y - 2x$
c) $\frac{dy}{dx} = \frac{2x}{cos\ y}$	d) $\frac{dy}{dx} = \frac{\cos y}{2x}$

LIVEWORKSHEETS