HSC Worked Solutions



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4

D. $\frac{dy}{dx} = -\frac{xy}{3}$

D

When y = 0, $\frac{dy}{dx} = 0$ and so options A and B are eliminated. At x = 2 and y = 2, $\frac{dy}{dx} < 0$, so option C is eliminated. $\therefore \frac{dy}{dx} = -\frac{xy}{3}$

* These solutions have been provided by *projectmaths* and are not supplied or endorsed by NESA.

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