

Solutions

Each answer shows the steps, then the **result**.

2.1

- the factor $\frac{dy}{dx}$ (i.e. y')

2.2

- $2x + 2y y' = 0$, so $y' = -\frac{x}{y}$

2.3

- solve the equation for $\frac{dy}{dx}$

3.1 B

3.2 B

3.3

(a)

- $2x + 2y y' = 0$

(b)

- $2y y' = -2x$

(c)

- $y' = -\frac{x}{y}$