

Solutions

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

2.1

- $\left(\frac{f}{g}\right)' = \frac{f'g - fg'}{g^2}$

2.2

- with $f = 1$, $g = x$: $\frac{(0)(x) - (1)(1)}{x^2} = -\frac{1}{x^2}$

2.3

- g^2 (the square of the denominator)

3.1 A

3.2 B

3.3

(a)

- $f = x$, $g = x + 2$

(b)

- $\frac{(1)(x + 2) - x(1)}{(x + 2)^2}$

(c)

- $\frac{2}{(x + 2)^2}$