

Solutions

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

2.1

- it undoes f , returning the original input

2.2

- the line $y = x$

2.3

- swap: $x = y + 5$; solve: $y = x - 5$, so $f^{-1}(x) = x - 5$

3.1 C

3.2 B

3.3

(a)

- $x = 3y - 6$

(b)

- $y = \frac{x + 6}{3}$

(c)

- $f^{-1}(x) = \frac{x + 6}{3}$