

# KEY

## Algebraic Simplification Exercise 100200322

$$\text{For } x \neq 7, \quad \frac{(x-6)(x-7)}{x-7}$$

$$= \left( \frac{(x-7)}{(x-7)} \right) (x-6) = 1 \cdot (x-6) = x-6$$

Therefore, for  $x=10$ ,

$$f(x) = f(10) = 10 - 6 = 4.$$

(end of document)