

KEY

Algebraic Simplification Exercise
100200326

$$\text{For } x \neq 14, \quad \frac{(x-14)(x-12)}{x-14}$$

$$= \left(\frac{(x-14)}{(x-14)} \right) (x-12) = 1 \cdot (x-12) = x-12.$$

Therefore, for $x = 20$,

$$f(x) = f(20) = 20 - 12 = 8.$$

(end of document)