

2. $f(x) = 5x^2 - 2\sqrt{x} + 7$, find $f(4)$.

$$\begin{aligned} f(4) &= 5(4)^2 - 2\sqrt{4} + 7 \\ &= 5(16) - 2(2) + 7 \\ &= 80 - 4 + 7 \\ &= 80 + 3 \\ &= \mathbf{83} \end{aligned}$$

3. $f(n) = 3n+5$, find $f(3)$.

$$\begin{aligned} f(3) &= 3(3)+5 \\ &= 9+5 \\ &= \mathbf{14} \end{aligned}$$

4. $f(x) = \frac{-2x+5}{4}$, find $f(\frac{3}{2})$.

$$\begin{aligned} f(\frac{3}{2}) &= \frac{-2(\frac{3}{2})+5}{4} \\ &= \frac{-3+5}{4} \\ &= \frac{2}{4} \\ &= \frac{-1}{2} \end{aligned}$$

5. $f(x) = x^x+x$, find $f(2)$

$$\begin{aligned} f(2) &= 2^2+2 \\ &= 4+2 \\ &= \mathbf{6} \end{aligned}$$

Preview from Notesale.co.uk
Page 2 of 2