**Evaluating Functions**

(a) $f(x)=5x+2$

Find (i) $f(3)$ (ii) $f(7)$ (iii) $f(-4)$ (iv) $f(-0.5)$

(b) $f:\rightarrow x^{2}-4$

Find (i) $f(4)$ (ii) $f(6)$ (iii) $f(-2)$ (iv) $f(0.9)$

(c) $g\left(x\right)=x^{3}-3x^{2}-2x+1$

Find (i) $g(0)$ (ii) $g(1)$ (iii) $g(-1)$ (iv) $g(1.5)$

(d) $f\left(x\right)=\sqrt{2x+5}$

Find (i) $f(2)$ (ii) $f(10)$

(iii) $f(-2)$ (iv) $f(-1.78)$

(e) The functions f and g are such that $f\left(x\right)=3x-5 $and $ g(x)=4x+1 $

(i) Find $f(-1)$ and $g(2)$

(ii) Find the value of $x$ for which $f(x)=g(x).$

(f) The functions f and g are such that $f\left(x\right)=2x^{2}-1 $and $g(x)=5x+2 $

(i) Find $f(-3) $and $g(-5)$

(ii) Find the two values of $x$ for which $f(x)=g(x).$

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