SQA Past paper questions

2024 - Paper 1 - Question 2

Given that $f(x)=(x+3)^2$, evaluate $f(7)$. 2

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2022 - Paper 1 - Question 2

Given that $f(x)=x^3-2$, evaluate $f(-3)$. 2

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2019 - Paper 1 - Question 1

Given that $f(x)=5x^3$, evaluate $f(-2)$. 2

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2018 - Paper 2 - Question 6

A function is defined as $f(x)=5+4x$.
Given that $f(a)=73$, calculate a. 2

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2017 - Paper 1 - Question 1

Given that $f(x)=x^2+3x$, evaluate $f(-5)$. 2

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2015 - Paper 2 - Question 2

A function is defined as $f(x) = 3x + 2$.

Given that $f(a) = 23$, calculate a. **2**

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2011 – Paper 1 – Question 3

Given that $f(x) = 5 - x^2$, evaluate $f(-3)$. **2**

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2010 – Paper 1 – Question 4

Two functions are given below.

$$f(x) = x^2 - 4x$$

$$g(x) = 2x + 7$$

(*a*) If $f(x) = g(x)$, show that $x^2 - 6x - 7 = 0$. **2**

(*b*) Hence find **algebraically** the values of x for which $f(x) = g(x)$. **2**

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2009 – Paper 1 – Question 3

Given that

$$f(x) = x^2 + 3,$$

(*a*) evaluate $f(-4)$ **2**

(*b*) find t when $f(t) = 52$. **2**

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2006 – Paper 1 – Question 3

Given that $f(x) = 4 - x^2$, evaluate $f(-3)$. **2**

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2003 – Paper 1 – Question 4

$$f(x) = 7 - 4x$$

(a) Evaluate $f(-2)$. **1**

(b) Given that $f(t) = 9$, find t. **2**

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2002 – Paper 1 – Question 4

Given that $f(x) = x^2 + 5x$, evaluate $f(-3)$. **2**

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2001 – Paper 1 – Question 3

Given that $f(m) = m^2 - 3m$, evaluate $f(-5)$. **2**

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