**Q1** f(x) = 4x - 1. Evaluate:

a) f(3)

**b)** f(-2)

c) f(0)

**Q2**  $g(x) = x^2 + 3$ . Evaluate:

a) g(2)

**b)** g(-1)

c) g(-2)

**Q3**  $f(x) = 1 + 4x - x^2$ . Evaluate:

a) f(1)

**b)** f(2)

c) f(-2)

**Q4**  $h(x) = \sqrt{3x+4}$ . Evaluate:

a) h(4)

**b)** h(0)

c) h(7)

**Q5**  $f(x) = x^3 + 2x$ . Evaluate:

a) f(1)

**b)** f(-2)

c) f(4)

**Q6**  $f(x) = \frac{3}{\sqrt{x}}$ . Evaluate:

a) f(1)

**b)** f(9)

c) f(0)

Q7 The function f is defined as f(x) = 2x + 3. Given that f(a) = 11, find the value of a.

**Q8** The function f is defined as  $f(x) = x^3 + 2$ . Given that f(t) = 29, find the value of t.

Q9 The function f is defined as  $f(x) = x^2 - 1$ . Given that f(r) = 3, find two possible values of r.

**Q10** The function f is defined as  $f(x) = 2\sqrt{x}$ . Given that f(a) = 10, find the value of a.

**Q11** The function g is defined as  $g(x) = 5x^3$ . Given that g(i) = 40, determine the value of i.

**Q12** The function t is defined as  $t(x) = tan x^{\circ}$ . Given that  $t(n) = \sqrt{3}$  and 0 < n < 90, find n.