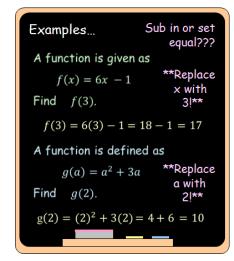
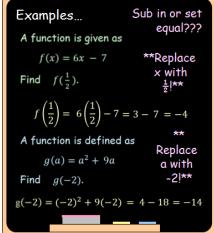
Outcome 1 - Evaluating functions

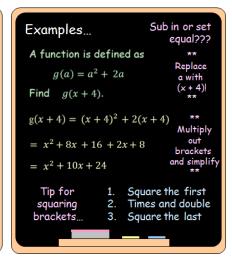
Bronze examples

Silver examples

Gold example







Bronze Questions

A function is given as f(x) = 4x + 3.

Find:







A function is given as $g(a) = 3a^2 - 1$.

Find:









A function is defined as $h(t) = t^2 + 7t$.

Find:











Gold Questions

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

Find:







A function is given as $g(a) = a^2 - 4$.

Find:



= g(s-3) = g(3d+2)



A function is defined as $h(t) = t^2 + 8t$.

Find:

= h(7b)





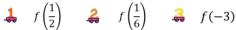
(5v-9)

Silver Questions

A function is given as f(x) = 18x + 5.



Find:









A function is given as $g(a) = 9a^2 - 2$.

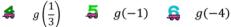
Find:







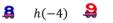




A function is defined as $h(t) = t^2 + 4t$.

Find:







h(-20)

Bronze Answers

1.
$$f(0) = 3$$

3.
$$f(12) = 51$$

$$4. o(1) = 2$$

5.
$$a(6) = 107$$

4.
$$g(1) = 2$$
 5. $g(6) = 107$ 6. $g(10) = 299$

7.
$$h(0) = 0$$

8.
$$h(3) = 30$$

Silver Answers

1.
$$f(1/2) = 14$$

$$2. f(1/6) = 8$$

1.
$$f(1/2) = 14$$
 2. $f(1/6) = 8$ 3. $f(-3) = -49$

$$4. q(1/3) = -1$$

$$5. q(-1) = 7$$

4.
$$g(1/3) = -1$$
 5. $g(-1) = 7$ 6. $g(-4) = 142$

$$8. h(-4) = 0$$

Gold Answers

1.
$$6p + 3$$

4.
$$25n^2 - 4$$
 5. $s^2 - 6s + 5$ 6. $9d^2 + 12d$

$$6.9d^2 + 12d$$

$$8. z^2 + 10z + 9$$

7.
$$49b^2 + 56b$$
 8. $z^2 + 10z + 9$ 9. $25v^2 - 50v + 9$