

1. $f(x) = x + 4$. Find $f(3)$.

Substitute: $(3) + 4$

Answer: 7

2. $f(x) = 2x$. Find $f(5)$.

$2(5)$

Answer: 10

3. $g(x) = 3x - 1$. Find $g(4)$.

$3(4) - 1 = 12 - 1$

Answer: 11

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

$(-4)^2$

Answer: 16

5. $h(x) = 2x + 7$. Find $h(0)$.

$2(0) + 7$

Answer: 7

6. $f(x) = x^2 - 3x$. Find $f(5)$.

$25 - 15$

Answer: 10

7. $g(x) = -2x + 9$. Find $g(-3)$.

$-2(-3) + 9 = 6 + 9$

Answer: 15

8. $f(x) = 4x - 2$. If $f(x) = 18$, find x .

Set $4x - 2 = 18$

$4x = 20$

Answer: $x = 5$

9. $f(x) = x^2 + 2x - 1$. Find $f(-3) - f(1)$. ★ challenge

$f(-3) = 9 - 6 - 1 = 2$

$f(1) = 1 + 2 - 1 = 2$

$2 - 2$

Answer: 0

10. $f(x) = 3x + 1$ and $g(x) = x^2$. Find $f(g(2))$. ★ challenge

Inside first: $g(2) = 4$

Then $f(4) = 12 + 1$

Answer: 13