

## EXERCISES

1. Let  $f(x) = x^2 + 3x - 5$ . Find  $f(2)$ .
2. Let  $f(x) = 2x^2 - 7x + 1$ . Find  $f(-1)$ .
3. Let  $f(x) = x^3 - 4x^2 + 6x - 8$ . Find  $f(3)$ .
4. Let  $f(x) = x^2 + 1$ . Find  $f(x+1)$ .
5. Let  $f(x) = x^2 + 3x - 5$ . Find  $f(x+1)$ .
6. Let  $f(x) = x^2 + 3x - 5$ . Find  $f(x-1)$ .
7. Let  $f(x) = x^2 + 3x - 5$ . Find  $f(x+h)$ .
8. Let  $f(x) = x^2 + 3x - 5$ . Find  $f(x+h) - f(x)$ .
9. Let  $f(x) = x^2 + 3x - 5$ . Find  $f(x+h) - f(x)$ .
10. Let  $f(x) = x^2 + 3x - 5$ . Find  $f(x+h) - f(x)$ .

Exercise	Answer
1	5
2	10
3	2
4	$x^2 + 5x + 4$
5	$x^2 + 5x - 4$
6	$x^2 - x - 5$
7	$x^2 + (3+h)x - 5$
8	$2hx + h^2$
9	$2hx + h^2$
10	$2hx + h^2$