

## PROBLEMS

### PROBLEM 1

Let  $f(x) = x^2 + 2x + 1$ . Find  $f(3)$ .

### PROBLEM 2

Let  $f(x) = x^2 + 2x + 1$ . Find  $f'(x)$ .

### PROBLEM 3

Let  $f(x) = x^2 + 2x + 1$ . Find  $f''(x)$ .

### PROBLEM 4

Let  $f(x) = x^2 + 2x + 1$ . Find  $f'''(x)$ .

### PROBLEM 5

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(4)}(x)$ .

### PROBLEM 6

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(5)}(x)$ .

### PROBLEM 7

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(6)}(x)$ .

### PROBLEM 8

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(7)}(x)$ .

### PROBLEM 9

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(8)}(x)$ .

### PROBLEM 10

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(9)}(x)$ .

### PROBLEM 11

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(10)}(x)$ .

### PROBLEM 12

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(11)}(x)$ .

### PROBLEM 13

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(12)}(x)$ .

### PROBLEM 14

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(13)}(x)$ .

### PROBLEM 15

Let  $f(x) = x^2 + 2x + 1$ . Find  $f^{(14)}(x)$ .