

Essential Maple 7

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Chapter 1: Basics

Section 1.1: Getting Started

Session: 1.1.1: Basic command syntax

> **series(sin(exp(x)-1), x);**

$$x + \frac{1}{2}x^2 - \frac{5}{24}x^4 - \frac{23}{120}x^5 + O(x^6)$$

> **Series(sin(x), x);**

Series(sin(x), x)

> **SERIES(sin(x), x);**

SERIES(sin(x), x)

> **expand((x+y)^3);**

$$x^3 + 3x^2y + 3xy^2 + y^3$$

```
> DoNotLookAt := expand( (x+3)^100 );
```

```
> coeff( DoNotLookAt, x, 48 );
```

```
602215209504724412112950467056274829612676243770345100
```

```
> DoNotLookAt := expand( (x+3)^100 )
```

```
>
```

```
Warning, premature end of input
```