

```
> sqrt(1-4*x);
```

$$\sqrt{1-4x} \quad (1)$$

```
> series(%,x=0,10);
```

$$1 - 2x - 2x^2 - 4x^3 - 10x^4 - 28x^5 - 84x^6 - 264x^7 - 858x^8 - 2860x^9 + O(x^{10}) \quad (2)$$

```
> (1-sqrt(1-4*x))/(2*x);
```

$$\frac{1 - \sqrt{1-4x}}{2x} \quad (3)$$

```
> series(%,x=0,20);
```

$$1 + x + 2x^2 + 5x^3 + 14x^4 + 42x^5 + 132x^6 + 429x^7 + 1430x^8 + 4862x^9 + 16796x^{10} \\ + 58786x^{11} + 208012x^{12} + 742900x^{13} + 2674440x^{14} + 9694845x^{15} + 35357670x^{16} \\ + 129644790x^{17} + 477638700x^{18} + O(x^{19}) \quad (4)$$