

```

[> #Name: ssss
> #Student no:12334
> a := 10;
a := 10 (1)
> b := 3;
b := 3 (2)
> a/b;
Error, invalid fraction
a/b
> c := a/b + 1;
c := 13/3 (3)
> evalf(c);
4.333333333 (4)
> d := 100!;
d :=
93326215443944152681699238856266700490715968264381621468592963895217599993\
22991560894146397615651828625369792082722375825118521091686400000000000000\
0000000000 (5)
> #d has 24 trailing zeroes
e := d/10^24;
e :=
93326215443944152681699238856266700490715968264381621468592963895217599993\
229915608941463976156518286253697920827223758251185210916864 (6)
> num_5 := 100/5;
num_5 := 20 (7)
> num_25 := 100/25;
num_25 := 4 (8)
> num_end_zeroes := num_5 + num_25;
num_end_zeroes := 24 (9)
> my_eqn := 2 x^2 - 2 = 0;
my_eqn := 2 x^2 - 2 = 0 (10)
> my_new_eqn := lhs(my_eqn) = 6;
my_new_eqn := 2 x^2 - 2 = 6 (11)
> sol := solve(my_new_eqn);
sol := 2, -2 (12)

```

```
> sol;
```

$$2, -2$$

(13)

```
=
>
>
>
> I^2;
```

$$-1$$

(14)

```
> I := 2;
Error, illegal use of an object as a name
I := 2;
```

```
=
> ?I
> (I + 1)^2;
```

$$2 I$$

(15)

```
=
> y := (x + 1)^3 - (x - 1)^3;
```

$$y := (x + 1)^3 - (x - 1)^3$$

(16)

```
> simplify(y);
```

$$6 x^2 + 2$$

(17)

```
=
>
```