

```

> restart;
> with(student);
[D, Diff, Doubleint, Int, Limit, Lineint, Product, Sum, Tripleint, changevar, completesquare,
distance, equate, integrand, intercept, intparts, leftbox, leftsum, makeproc, middlebox,
middlesum, midpoint, powsubs, rightbox, rightsum, showtangent, simpson, slope,
summand, trapezoid]

> I1 := Int(sin(x^2), x = 0 .. 2);

$$I1 := \int_0^2 \sin(x^2) \, dx$$


> changevar(u = x^2, I1, u);

$$\int_0^4 \frac{\sin(u)}{2\sqrt{u}} \, du$$


> int(sin(x^2), x = 0 .. 2);

$$\frac{1}{2} \text{FresnelS}\left(\frac{2\sqrt{2}}{\sqrt{\pi}}\right) \sqrt{2} \sqrt{\pi}$$


> ?erf
> ?FresnelS
> int(1/(9+x^2), x = 0 .. 3);

$$\frac{1}{12} \pi$$

>

```