```
> restart;
> A := int((x^3+2)/sqrt(4-x^2), x);
```

$$A := -\frac{1}{3}x^2\sqrt{4-x^2} - \frac{8}{3}\sqrt{4-x^2} + 2\arcsin\left(\frac{1}{2}x\right)$$

```
> B := subs(sqrt(4-x^2) = y, A);
```

$$B := -\frac{1}{3}x^2 y - \frac{8}{3}y + 2\arcsin\left(\frac{1}{2}x\right)$$

```
> B2 := collect(B, y);
```

$$B2 := \left(-\frac{1}{3}x^2 - \frac{8}{3}\right)y + 2\arcsin\left(\frac{1}{2}x\right)$$

```
> B3 := subs(y = sqrt(4-x^2), B2);
```

$$B3 := \left(-\frac{1}{3}x^2 - \frac{8}{3}\right)\sqrt{4-x^2} + 2\arcsin\left(\frac{1}{2}x\right)$$

```
>
```