18) $\int \cot(x)\,dx$

$\int \frac{\cos(x)}{\operatorname{sen}(x)}\,dx$

$\ln|\operatorname{sen}(x)| + c$ //

19) $\int \cos^2(x)\,dx$

$\int \frac{1+\cos(2x)}{2}\,dx$

$\frac{1}{2}\int 1\,dx + \frac{1}{2}\int \cos(2x)\,dx$

$\frac{1}{2}x + \frac{1}{2}\cdot\frac{1}{2}\operatorname{sen}(2x) + c$

$\frac{1}{2}x + \frac{1}{4}\operatorname{sen}(2x) + c$ //

20) $\int \operatorname{sen}^2(x)\,dx$

$\int \frac{1-\cos(2x)}{2}\,dx$

$\frac{1}{2}\int (1-\cos(2x))\,dx$

$\frac{1}{2}\int 1\,dx - \frac{1}{2}\int \cos(2x)\,dx$

$\frac{1}{2}x - \frac{1}{2}\cdot\frac{1}{2}\operatorname{sen}(2x) + c$

$\frac{1}{2}x - \frac{1}{4}\operatorname{sen}(2x) + c$ //