1.
$$\frac{1}{6} \left[\operatorname{arcsec}\left(\frac{X}{3}\right) - \frac{3\sqrt{\chi^2 - 9}}{\chi^2} \right] + C$$

2.
$$\left(\frac{1}{16}\left[\frac{\sqrt{\chi^2-16}}{\chi}\right]+C\right)$$
 3. $\left(\frac{\chi+2}{\sqrt{g}}\right)+C$ 4. $\left(\frac{\pi}{6\sqrt{3}}\right)$

S.
$$\left[2\left[\arcsin\left(\frac{X+1}{2}\right)+\frac{\left(X+1\right)\sqrt{4-\left(X+1\right)^{2}}}{4}\right]+C\right]$$

6.
$$\frac{1}{2} \ln |(X+1)^2+4| + \frac{3}{2} \arctan (\frac{X+1}{2}) + C$$

$$7.\left(\ln\left(\frac{3}{8}\right)\right) \qquad o_{R} - \ln\left(\frac{8}{3}\right)$$

8.
$$-\frac{\arctan x}{x} + \ln|x| - \frac{1}{2}\ln|x^2 + 1| + C$$

10.
$$\frac{x^3}{3} + \frac{1}{2} \ln|x^2+9| + \frac{2}{3} \arctan(\frac{x}{3}) + C$$

11.
$$\left| \ln \left| \chi - 1 \right| - \frac{1}{2} \ln \left| \chi^2 + 9 \right| - \frac{1}{3} \arctan \left(\frac{\chi}{3} \right) + C \right|$$

$$[2(\frac{\chi^{2}}{2} + \chi + 2\ln|\chi-7| + \frac{3}{2}\ln|\chi^{2}+2| - \frac{1}{\sqrt{2}}\arctan(\frac{\chi}{\sqrt{2}}) + C]$$