1. $\int \frac{1}{\sqrt{x^{2}-1}} d x=$
2. $\int \frac{1}{x^{2} \sqrt{4-x^{2}}} d x=$
3. $\int \frac{1}{\sqrt{4+x^{2}}} d x=$
4. $\int \sqrt{4-x^{2}} d x=$
