

1) $\int \frac{1}{(x^2 + 5)^{3/2}} dx$

2) $\int \frac{3x^2}{x^2 + 11} dx$

3) $\int \frac{9x}{\sqrt{x^2 - 64}} dx$

4) $\int \sqrt{35 - x^2} dx$

$$5) \int \frac{8x}{x\sqrt{x^2+16}} dx$$

$$6) \int \frac{7}{x^2\sqrt{81-x^2}} dx$$

$$7) \int \frac{x^3}{\sqrt{x^2-9}} dx$$

$$8) \int \frac{x^3}{\sqrt{1-x^2}} dx$$