

# RECOGNIZING DIF. TYPES/METHODS

$$\textcircled{1} \int \frac{x}{x^2+4} dx$$

$$\textcircled{2} \int \frac{1}{x^2+4} dx$$

$$\textcircled{3} \int \frac{1}{\sqrt{x^2+4}} dx$$

$$\textcircled{4} \int \frac{1}{\sqrt{x^2-4}} dx$$

$$\textcircled{5} \int \frac{1}{\sqrt{4-x^2}} dx$$

$$\textcircled{6} \int \frac{x}{\sqrt{4-x^2}} dx$$

$$\textcircled{7} \int \frac{x^2}{x^2+4} dx$$

$$\textcircled{8} \int \frac{x^2}{\sqrt{x^2-4}} dx$$

$$\textcircled{9} \int \frac{x^2}{\sqrt{x^2+4}} dx$$

$$\textcircled{10} \int \frac{1}{x^2-4} dx$$

$$\textcircled{11} \int \frac{x^3}{x^2-4} dx$$

$$\textcircled{12} \int \frac{1}{x^2+x+4} dx$$

$$\textcircled{13} \int \frac{x}{x^2-4} dx$$

$$\textcircled{14} \int \frac{2x+1}{x^2-4} dx$$

$$\textcircled{15} \int \frac{2x+1}{x^2+4} dx$$

$$\textcircled{16} \int \frac{2x+1}{\sqrt{x^2+4}} dx$$

$$\textcircled{17} \int \frac{x}{(x^2+4)^3} dx$$

$$\textcircled{18} \int \frac{1}{(x^2+4)^3} dx$$