$$\int \sin \sqrt{t}\, dt$$

$$\int \frac{\arctan x}{x^2}\, dx$$

$$\int x \sqrt{2 - \sqrt{1 + x^2}}\, dx$$

$$\int \frac{dx}{\sqrt{x} + x\sqrt{x}}$$

$$\int \frac{dx}{\sqrt{\sqrt{x} + 1}}$$