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$$42. \frac{-1}{\cos^{-1} x \sqrt{1-x^2}}$$

$$44. 2x (\sin^{-1} x)^3 + \frac{3x^2 (\sin^{-1} x)^2}{\sqrt{1-x^2}}$$

$$46. \frac{-1}{\sqrt{e^{2x}-1}}$$

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$$18. \frac{1}{4} \tan^{-1}(4x) + C$$

$$56. \textcircled{a} \frac{1}{2} \tan^{-1}\left(\frac{e^x}{2}\right) + C$$

$$\textcircled{b} \frac{1}{2} \sin^{-1}\left(\frac{2x}{3}\right) + C$$

$$\textcircled{c} \frac{1}{\sqrt{3}} \sec^{-1}\left(\frac{\sqrt{5}y}{\sqrt{3}}\right) + C$$