

$$7. \quad u = 4x - 3, \quad \frac{1}{4} \int u^9 du = \frac{1}{40} u^{10} + C = \frac{1}{40} (4x - 3)^{10} + C$$

$$8. \quad u = 5 + x^4, \quad \frac{1}{4} \int \sqrt{u} du = \frac{1}{6} u^{3/2} + C = \frac{1}{6} (5 + x^4)^{3/2} + C$$

$$9. \quad u = 7x, \quad \frac{1}{7} \int \sin u du = -\frac{1}{7} \cos u + C = -\frac{1}{7} \cos 7x + C$$

$$10. \quad u = x/3, \quad 3 \int \cos u du = 3 \sin u + C = 3 \sin(x/3) + C$$

$$11. \quad u = 4x; \quad du = 4dx; \quad \frac{1}{4} \int \sec u \tan u du = \frac{1}{4} \sec u + C = \frac{1}{4} \sec 4x + C$$