

Integrals**Moderate****Substitution**

1. $\int \sin(2x + 5) dx$

2. $\int \sin(-3x) dx$

3. $\int \sin(1 - x) dx$

4. $\int \cos(2x + 1) dx$

5. $\int \sin(x + 1) dx$

6. $\int \cos(3x + 2) dx$

7. $\int \cos(2x + 5) dx$

8. $\int \sin(x - 7) dx$

9. $\int \cos(-2x) dx$

10. $\int \sin(3x + 4) dx$

Answers**Integrals****Moderate****Substitution**

$$1. -\frac{1}{2} \cos(2x + 5) + C$$

$$2. \frac{1}{3} \cos(3x) + C$$

$$3. \cos(1 - x) + C$$

$$4. \frac{1}{2} \sin(2x + 1) + C$$

$$5. -\cos(x + 1) + C$$

$$6. \frac{1}{3} \sin(3x + 2) + C$$

$$7. \frac{1}{2} \sin(2x + 5) + C$$

$$8. x \sin(x - 7) + x \sin(7 - x) - \cos(7 - x) + C$$

$$9. \frac{1}{2} \sin(2x) + C$$

$$10. -\frac{1}{3} \cos(3x + 4) + C$$