

**Integrals****Basic****Sum Rule**

1.  $\int x - 3dx$

2.  $\int 6x - 8dx$

3.  $\int 15x - 2dx$

4.  $\int 3x - 11dx$

5.  $\int x^6 - 16xdx$

6.  $\int (13 - x)dx$

7.  $\int (2x - 3x^2)dx$

8.  $\int x^2 - 1dx$

9.  $\int 4 - x^2dx$

10.  $\int 5x^4 - 4x^5dx$

**Answers****Integrals****Basic****Sum Rule**

$$1. \frac{x^2}{2} - 3x + C$$

$$2. 3x^2 - 8x + C$$

$$3. \frac{15x^2}{2} - 2x + C$$

$$4. \frac{3x^2}{2} - 11x + C$$

$$5. \frac{x^7}{7} - 8x^2 + C$$

$$6. 13x - \frac{x^2}{2} + C$$

$$7. x^2 - x^3 + C$$

$$8. \frac{x^3}{3} - x + C$$

$$9. 4x - \frac{x^3}{3} + C$$

$$10. x^5 - \frac{2x^6}{3} + C$$