

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Power Rule for Integration

Find the indefinite integral of each function.

1)  $\int \left(\frac{-120}{w^7}\right)dw$

2)  $\int \left(\frac{56}{c^5}\right)dc$

3)  $\int \left(\frac{-102}{h^7}\right)dh$

4)  $\int \left(\frac{-20}{k^6}\right)dk$

5)  $\int \left(\frac{-64}{u^5}\right)du$

6)  $\int \left(\frac{32}{c^9}\right)dc$

7)  $\int \left(\frac{25}{d^6}\right)dd$

8)  $\int \left(\frac{-20}{a^3}\right)da$

9)  $\int \left(\frac{-63}{x^8}\right)dx$

10)  $\int \left(\frac{30}{x^6}\right)dx$



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## Power Rule for Integration

Find the indefinite integral of each function.

11)  $\int \left(\frac{-21}{s^4}\right) ds$

12)  $\int \left(\frac{32}{w^5}\right) dw$

13)  $\int \left(\frac{48}{n^4}\right) dn$

14)  $\int \left(\frac{-6}{f^3}\right) df$

15)  $\int \left(\frac{49}{v^8}\right) dv$

16)  $\int \left(\frac{-8}{k^2}\right) dk$

17)  $\int \left(\frac{38}{b^3}\right) db$

18)  $\int \left(\frac{2}{b^2}\right) db$

19)  $\int \left(\frac{17}{r^2}\right) dr$

20)  $\int \left(\frac{-5}{r^2}\right) dr$



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## Power Rule for Integration

Find the indefinite integral of each function.

1)  $\int \left(\frac{-120}{w^7}\right)dw$

$$\frac{20}{w^6} + C$$

2)  $\int \left(\frac{56}{c^5}\right)dc$

$$\frac{-14}{c^4} + C$$

3)  $\int \left(\frac{-102}{h^7}\right)dh$

$$\frac{17}{h^6} + C$$

4)  $\int \left(\frac{-20}{k^6}\right)dk$

$$\frac{4}{k^5} + C$$

5)  $\int \left(\frac{-64}{u^5}\right)du$

$$\frac{16}{u^4} + C$$

6)  $\int \left(\frac{32}{c^9}\right)dc$

$$\frac{-4}{c^8} + C$$

7)  $\int \left(\frac{25}{d^6}\right)dd$

$$\frac{-5}{d^5} + C$$

8)  $\int \left(\frac{-20}{a^3}\right)da$

$$\frac{10}{a^2} + C$$

9)  $\int \left(\frac{-63}{x^8}\right)dx$

$$\frac{9}{x^7} + C$$

10)  $\int \left(\frac{30}{x^6}\right)dx$

$$\frac{-6}{x^5} + C$$



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## Power Rule for Integration

Find the indefinite integral of each function.

11)  $\int \left(\frac{-21}{s^4}\right) ds$

$$\frac{7}{s^3} + C$$

12)  $\int \left(\frac{32}{w^5}\right) dw$

$$\frac{-8}{w^4} + C$$

13)  $\int \left(\frac{48}{n^4}\right) dn$

$$\frac{-16}{n^3} + C$$

14)  $\int \left(\frac{-6}{f^3}\right) df$

$$\frac{3}{f^2} + C$$

15)  $\int \left(\frac{49}{v^8}\right) dv$

$$\frac{-7}{v^7} + C$$

16)  $\int \left(\frac{-8}{k^2}\right) dk$

$$\frac{8}{k} + C$$

17)  $\int \left(\frac{38}{b^3}\right) db$

$$\frac{-19}{b^2} + C$$

18)  $\int \left(\frac{2}{b^2}\right) db$

$$\frac{-2}{b} + C$$

19)  $\int \left(\frac{17}{r^2}\right) dr$

$$\frac{-17}{r} + C$$

20)  $\int \left(\frac{-5}{r^2}\right) dr$

$$\frac{5}{r} + C$$

