

Name : _____

Score : _____

Teacher : _____

Date : _____

Power Rule for Integration

Find the indefinite integral of each function.

1) $\int \left(\frac{-7}{x^2}\right)dx$

2) $\int \left(\frac{-56}{x^8}\right)dx$

3) $\int \left(\frac{2}{x^2}\right)dx$

4) $\int \left(\frac{-6}{x^3}\right)dx$

5) $\int \left(\frac{32}{x^5}\right)dx$

6) $\int \left(\frac{-13}{x^2}\right)dx$

7) $\int \left(\frac{-75}{x^6}\right)dx$

8) $\int \left(\frac{-36}{x^4}\right)dx$

9) $\int \left(\frac{6}{x^3}\right)dx$

10) $\int \left(\frac{64}{x^5}\right)dx$



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Power Rule for Integration

Find the indefinite integral of each function.

11) $\int \left(\frac{90}{x^7}\right)dx$

12) $\int \left(\frac{-16}{x^2}\right)dx$

13) $\int \left(\frac{104}{x^9}\right)dx$

14) $\int \left(\frac{-98}{x^8}\right)dx$

15) $\int \left(\frac{-102}{x^7}\right)dx$

16) $\int \left(\frac{144}{x^9}\right)dx$

17) $\int \left(\frac{12}{x^2}\right)dx$

18) $\int \left(\frac{6}{x^2}\right)dx$

19) $\int \left(\frac{-24}{x^7}\right)dx$

20) $\int \left(\frac{14}{x^2}\right)dx$



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Power Rule for Integration

Find the indefinite integral of each function.

1) $\int \left(\frac{-7}{x^2}\right)dx$

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

2) $\int \left(\frac{-56}{x^8}\right)dx$

$$\frac{8}{x^7} + C$$

3) $\int \left(\frac{2}{x^2}\right)dx$

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

4) $\int \left(\frac{-6}{x^3}\right)dx$

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

5) $\int \left(\frac{32}{x^5}\right)dx$

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

6) $\int \left(\frac{-13}{x^2}\right)dx$

$$\frac{13}{x} + C$$

7) $\int \left(\frac{-75}{x^6}\right)dx$

$$\frac{15}{x^5} + C$$

8) $\int \left(\frac{-36}{x^4}\right)dx$

$$\frac{12}{x^3} + C$$

9) $\int \left(\frac{6}{x^3}\right)dx$

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

10) $\int \left(\frac{64}{x^5}\right)dx$

$$\frac{-16}{x^4} + C$$



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Power Rule for Integration

Find the indefinite integral of each function.

11) $\int \left(\frac{90}{x^7}\right)dx$

$$\frac{-15}{x^6} + C$$

12) $\int \left(\frac{-16}{x^2}\right)dx$

$$\frac{16}{x} + C$$

13) $\int \left(\frac{104}{x^9}\right)dx$

$$\frac{-13}{x^8} + C$$

14) $\int \left(\frac{-98}{x^8}\right)dx$

$$\frac{14}{x^7} + C$$

15) $\int \left(\frac{-102}{x^7}\right)dx$

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

16) $\int \left(\frac{144}{x^9}\right)dx$

$$\frac{-18}{x^8} + C$$

17) $\int \left(\frac{12}{x^2}\right)dx$

$$\frac{-12}{x} + C$$

18) $\int \left(\frac{6}{x^2}\right)dx$

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

19) $\int \left(\frac{-24}{x^7}\right)dx$

$$\frac{4}{x^6} + C$$

20) $\int \left(\frac{14}{x^2}\right)dx$

$$\frac{-14}{x} + C$$

