

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

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

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

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

## Logarithmic and Exponential Rules

Find each indefinite integral.

1)  $\int \left(\frac{-4}{x}\right) dx$

2)  $\int (-8x^{-1}) dx$

3)  $\int (6x^{-1}) dx$

4)  $\int (3x^{-1}) dx$

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

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

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

8)  $\int (9x^{-1}) dx$

9)  $\int \left(\frac{-2}{x}\right) dx$

10)  $\int (11x^{-1}) dx$



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Find each indefinite integral.

1)  $\int \left(\frac{-4}{x}\right)dx$

$-4 \ln |x| + C$

2)  $\int (-8x^{-1})dx$

$-8 \ln |x| + C$

3)  $\int (6x^{-1})dx$

$6 \ln |x| + C$

4)  $\int (3x^{-1})dx$

$3 \ln |x| + C$

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

$2 \ln |x| + C$

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

$-6 \ln |x| + C$

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

$-7 \ln |x| + C$

8)  $\int (9x^{-1})dx$

$9 \ln |x| + C$

9)  $\int \left(\frac{-2}{x}\right)dx$

$-2 \ln |x| + C$

10)  $\int (11x^{-1})dx$

$11 \ln |x| + C$

