Name : _____ Score : _____

Teacher : _____ Date : _____

Logarithmic and Exponential Rules

Find each indefinite integral.

1) $\int (8 \cdot 2^x)dx$

2) $\int (-4 \cdot 3^x)dx$

3) $\int (-10 \cdot 14^x)dx$

4) $\int (-9 \cdot 17^x)dx$

5) $\int (7 \cdot 8^x)dx$

6) $\int (9 \cdot 7^x)dx$

7) $\int (-8 \cdot 10^x)dx$

8) $\int (4 \cdot 5^x)dx$

9) $\int (2 \cdot 18^x)dx$

10) $\int (3 \cdot 20^x)dx$

11) $\int (-12 \cdot 13^x)dx$

12) $\int (10 \cdot 4^x)dx$

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Logarithmic and Exponential Rules

Find each indefinite integral.

1) $\int (8 \cdot 2^x)dx$

$\frac{8 \cdot 2^x}{\ln 2} + C$

2) $\int (-4 \cdot 3^x)dx$

$\frac{-4 \cdot 3^x}{\ln 3} + C$

3) $\int (-10 \cdot 14^x)dx$

$\frac{-10 \cdot 14^x}{\ln 14} + C$

4) $\int (-9 \cdot 17^x)dx$

$\frac{-9 \cdot 17^x}{\ln 17} + C$

5) $\int (7 \cdot 8^x)dx$

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

6) $\int (9 \cdot 7^x)dx$

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

7) $\int (-8 \cdot 10^x)dx$

$\frac{-8 \cdot 10^x}{\ln 10} + C$

8) $\int (4 \cdot 5^x)dx$

$\frac{4 \cdot 5^x}{\ln 5} + C$

9) $\int (2 \cdot 18^x)dx$

$\frac{2 \cdot 18^x}{\ln 18} + C$

10) $\int (3 \cdot 20^x)dx$

$\frac{3 \cdot 20^x}{\ln 20} + C$

11) $\int (-12 \cdot 13^x)dx$

$\frac{-12 \cdot 13^x}{\ln 13} + C$

12) $\int (10 \cdot 4^x)dx$

$\frac{10 \cdot 4^x}{\ln 4} + C$