

Calculus AB

5-5

Bases other than e

Solve the equation accurate to three decimal places. (pg 368)

26) $5^{6x} = 8320$

34) $\log^4 \sqrt{x - 4} = 3.2$

Find the derivative of each function.

41) $f(x) = 4^x$

43) $y = \log_3 x$

Use logarithmic differentiation to find $\frac{dy}{dx}$.

59) $y = (x - 2)^{x+1}$

Find or evaluate the integral.

$$76) \int 5^{-x} dx$$

$$82) \int 2^{\sin x} \cos x dx$$

Assignment:

Pg. 368

25-33 odd

41-87 odd