

Solving Exponential & Logarithmic Equations

Name: _____

Solve for x . Approximate your answers to 3 decimal places.

1. $4^{2x-1} = 7$

1. _____

2. $8e^{3x} = 17$

2. _____

3. $e^{3-2x} = 4$

3. _____

Solve for x .

4. $e^{2x} - 4e^x = 5$

4. _____

5. $3xe^x + x^2e^x = 0$

5. _____

6. $\log_2(x + 4) = 3$

6. _____

7. $\ln x = 3$

7. _____

8. $\log_3(1 - 2x) = 3$

8. _____

9. $4 + 3 \log(2x) = 16$

9. _____

10. $\log(x + 2) + \log(x - 1) = 1$

10. _____

