

Pre-Calculus

Solve an exponential equation. Give the EXACT answer.

1.  $10^x = 600$

2.  $10^{2x} = 500$

3.  $e^{x+4} = 100$

4.  $5e^{3x} = 250$

5.  $2e^{3x+1} = \frac{1}{50}$

6.  $e^{4x} - 5 = 90$

7.  $4 + 2e^x = 3$

8.  $5 + e^{x+2} = 12$

9.  $15 - 2e^{x-3} = -6$

10.  $e^{4x+1} + 9 = -12$