

Base e Equations WS #1

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Solve each equation. Round your answers to the nearest ten-thousandth.

1) $e^{-9n} + 3 = 24$

2) $e^{3x} + 3 = 72$

3) $-7e^{7x} = -83$

4) $e^{m-5} - 8 = 62$

5) $7e^{-7x} + 6 = 75$

6) $10e^{n+6} + 4 = 16.8$

7) $-10e^{p-4} - 6.1 = -26$

8) $6e^{b+5.8} + 5 = 100$

$$9) 4e^{-10x-6} - 10 = 84.1$$

$$10) -2e^{6-3n} + 6.8 = -92$$

$$11) -e^{3-5.1r} - 5.4 = -11$$

$$12) -10e^{6v+9} + 7 = -84$$

$$13) 5e^{2b-10} - 7 = 49$$

$$14) 10e^{-7.5x-9} - 7 = 9$$

$$15) 5e^{2-7x} + 0.4 = 50$$