Task card 1 Solving Exponential & Log Equation...

Solve: $5(5)^x = 175$

Task card 2 Solving Exponential & Log Equation...

Solve: $4^{x+1} = 24$

Task card 3 Solving Exponential & Log Equation...

Solve: $e^{-x} = 0.5$

Task card 4 Solving Exponential & Log Equation...

Solve: $\log_2(x) + \log_2(x - 7) = 3$

Task card 5 Solving Exponential & Log Equation...

Solve: $3e^{3x} - 3 = 18$

Task card 6 Solving Exponential & Log Equation...

Solve: $\ln(4x + 5) = 1$

Task card 7 Solving Exponential & Log Equation...

Solve: $\log_3(x) + \log_3(x - 6) = 3$

Task card 8 Solving Exponential & Log Equation...

Solve: $2e^{x/2} + 4 = 20$

Task card 9 Solving Exponential & Log Equation...

Solve: $5(5)^x = 210$

Task card 10 Solving Exponential & Log Equation...

Solve: $5^{x+3} = 198$

Task card 11 Solving Exponential & Log Equation...

Solve: $e^{4x} = 3$

Task card 12 Solving Exponential & Log Equation...

Solve: $\log_2(x) + \log_2(x - 6) = 4$

Task card 13 Solving Exponential & Log Equation...

Solve: $6e^{3x} - 5 = 127$

Task card 14 Solving Exponential & Log Equation...

Solve: $\ln(3x + 3) = 1$

Task card 15 Solving Exponential & Log Equation...

Solve: $\log_3(x) + \log_3(x - 8) = 2$

Task card 16 Solving Exponential & Log Equation...

Solve: $4e^{2x} + 7 = 75$

Task card 17 Solving Exponential & Log Equation...

Solve: $9(2)^x = 207$

Task card 18 Solving Exponential & Log Equation...

Solve: $4^{x+2} = 252$

Task card 19 Solving Exponential & Log Equation...

Solve: $3e^x + 7 = 85$

Task card 20 Solving Exponential & Log Equation...

Solve: $\ln(4x + 2) = 3$

Task card 21 Solving Exponential & Log Equation...

Solve: $\log_2(x) + \log_2(x - 4) = 5$

Task card 22 Solving Exponential & Log Equation...

Solve: $4e^{2x} + 4 = 76$

Task card 23 Solving Exponential & Log Equation...

Solve: $9(5)^x = 117$

Task card 24 Solving Exponential & Log Equation...

Solve: $5^{x+2} = 298$

Solving Exponential & Log Equations with Logarithms Task Cards

Recording sheet · Grade 11 · Solve for x. Round to the nearest hundredth unless the answer is a whole number.

Scan to check your answers

Name: _____ Date: _____

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Solving Exponential & Log Equations with Logarithms Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. x = 2.21	**2.** x = 1.29	**3.** x = 0.69
4. x = 8	**5.** x = 0.65	**6.** x = -0.57
7. x = 9	**8.** x = 4.16	**9.** x = 2.32
10. x = 0.29	**11.** x = 0.27	**12.** x = 8
13. x = 1.03	**14.** x = -0.09	**15.** x = 9
16. x = 1.42	**17.** x = 4.52	**18.** x = 1.99
19. x = 3.26	**20.** x = 4.52	**21.** x = 8
22. x = 1.45	**23.** x = 1.59	**24.** x = 1.54