Practice

Form G

7-6B

Natural Logarithms

Write each expression as a single natural logarithm.

4.
$$\ln z - 3 \ln x$$

2.
$$3 \ln 3 + \ln 9$$
 3. $a \ln 4 - \ln b$ 6. $4 \ln x + 3 \ln y$ 8. $3 \ln a - b \ln 2$ 4. $a = 2$ 6. $4 \ln x + 3 \ln y$ 7. answers. Round your answer to the nearest

$$\frac{5.4 \ln x + 3 \ln y}{Ln}$$

Solve each equation. Check your answers. Round your answer to the nearest hundredth.

19.
$$\ln e^x = 3$$

20. 3 ln
$$e^{2x} = 12$$

21.
$$\ln e^{x+5} = 17$$

25.
$$\ln(3x+4)=5$$
 48. 14

Use natural logarithms to solve each equation. Round your answer to the nearest hundredth.

40. $e^{2x} = 25$

-4.21

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