

“What do you call pants worn in a flood?”

Solve each equation. Round your answer only at your last step, and round the answer to the nearest hundredth. The two letter answer to each problem will match a letter that will allow you to figure out the joke.

1. $e^x = 5$

TR: 0.35

2. $\ln x = 7$

WA: 3

3. $\ln(x - 1) + \ln 3 = 8$

TE: 994.65

4. $e^{\ln x} = 12$

ED: 1.61

5. $\ln(x + 2) + \ln x = \ln 35$

BL: 6

6. $e^{1-x} = 4$

RS: -0.39

7. $4\ln x - \ln 2 = \ln 128$

BR: 182.77

8. $\ln 3 - (\ln x + \ln 6) = \ln x - \ln 8$

IT: 1096.63

9. $e^x \cdot e^{3x} = 4$

ES: 1.79

10. $x = \ln 3 + \ln 4 - \ln 2$

ER: 12

11. $e^9 = (e^x)^3 \left(\frac{1}{e^9} \right)$

CH: 2

12. $\ln 3 + \ln 2x = 7$

OU: 5

13. $\ln e^{2x} = 6$

OV: 4

12 12 2 2 8 8 10 10 7 7 4 4

9 9 5 5 11 11 1 1 13 13 3 3 6 6