

Linear, Quadratic and Exponential Worksheet 2

1. Convert $3^{x^2} + 8 = 20$ into logarithmic form and solve for x .
an exponential to a logarithmic equation which type of logarithm should you use?
2. Solve the equation $2^x = 16$ using logarithmic form.
3. Solve the equation $2e^x = 18$ using logarithmic form.
4. Solve the equation $5^x = 15$ using logarithmic form.
5. Convert $5 \times 2^{x+6} = 30$ into logarithmic form and solve for x .
6. Whenever you see an equation with e in it and you are asked to convert from
7. Unless otherwise noted, which base does a logarithm have?
8. Solve the equation $e^{2x} - 16 = 0$ using logarithmic form.
9. If we're trying to find the log of an exponential function, the best way to do this on a calculator is to convert the equation $\log_b x = y$ into what?
10. What happens when you take the log of a negative number?