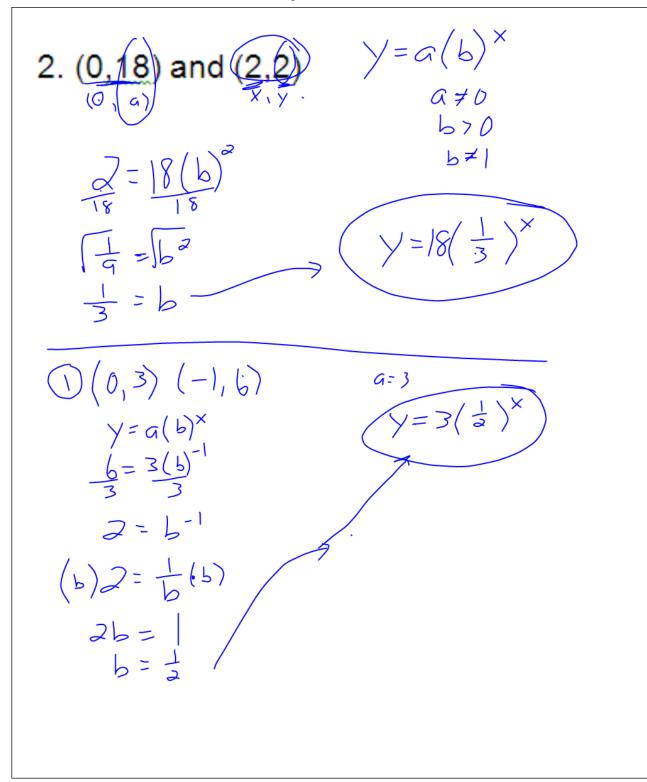


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## 3. Example #3 p. 500

**POPULATION** In 2000, the population of Phoenix was 1,321,045, and it increased to 1,331,391 in 2004.

**a**. Write an exponential function of the form  $y = ab^x$  that could be used to model the population *y* of Phoenix. Write the function in terms of *x*, the number of years since 2000.

