

2

<u>x</u>D:(~∞,∞)

 $R^{(-\infty)}(2)$

2

x

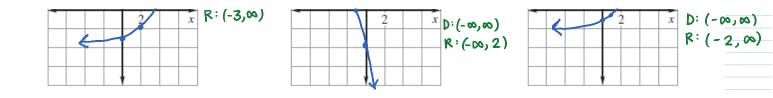
D: (-00,00)

 $R: (-2, \infty)$



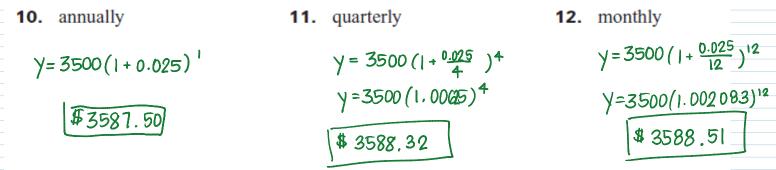


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In Exercises 10–12, use the following information.

Account Balance You deposit \$3500 in an account that earns 2.5% annual interest. Find the balance after one year if the interest is compounded with the given frequency.



In Exercises 13–15, use the following information.

Population From 1990 to 2000, the population of California can be modeled by $P = 29,816,591(1.0128)^t$ where *t* is the number of years since 1990.

13. What was the population in 1990?

14. What is the growth factor and annual percent increase?

growth factor: 1-1.0128 = .0128 = 1.28%

15. Estimate the population in 2007. t = 17

