

$$\mathcal{N} = \mathcal{V} \mathcal{D}_{x}$$

Identify the intitial amount a and the growth factor b in the exponential function.

$$y = 10,000(1.01)^{x}$$

$$a = 10,000$$
 $b = 1.01$  or  $101$ 

Assume the interest rate is an annual interest rate. Find the interest rate for an account that is compounded quarterly and monthly.

Find the balance in the bank account given the following information:

\$12,000 principal earning 4.8% compounded annually after 7 years.

\$12,000 principal earning 4.8% compounded quarterly after 7 years.

 $y = 12,000^{\circ}(1.012)^{28}$ y = 16,758.52 4.8%. ÷4 +100%. Homework: pg. 479 #2, 4, 5, 8, 12, 14, 16, 18, 26-29