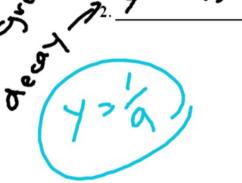
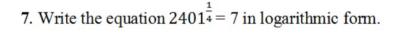
## **Chapter 7 Practice Test**

Write the letter for the correct answer in the blank at the right of each question.

- 1. Find the domain and range of the function  $y = -4\left(\frac{3}{4}\right)^x$
- p; all real #2 R: Y < n 2. Create two exponential equations, where one function represents exponential growth
- while the other equation represent exponential decay.
- 3. Use the equation of the exponential function whose graph passes through the points (0,4) and (1,24) to find the value of y when x = -2.

$$y = a \cdot b$$
 $y = 4 \cdot b$ 
 $y = 4 \cdot (a)$ 
 $y = 4 \cdot (a)$ 





6

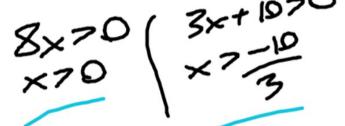
10924017=

9. Solve 
$$\log_{\frac{1}{6}} x = -2$$
.

7. \_\_\_\_\_

10. 
$$\log_5(8x) \ge \log_5(3x + 10)$$
.

73×+10 8.



5×710 ×72

- ×=36
- ×77
- Glencoe Algebra 2

## **Chapter 7 Practice Test** (continued)

11. Use  $\log_5 2 \approx 0.4307$  and  $\log_5 \underline{3} \approx 0.6826$  to approximate the value of  $\log_5 48$ 

$$10952^{7.3} = 10952^{7.4} + 10953$$
  
=  $4(10952) + 10953$   
=  $4(1952) + (.6826)$   
=  $4(1952) + (.6826)$