

Review Exercises (Ch. 10)

1)

x	$y = 2(4)^x$
0	2
1	8
2	32
3	128

a) $y_0 = 2$

b) $b = 4$

3) \$3214.92

5) Approximately 23.8 years

7) C

9) $y = 12(0.92)^{\frac{t}{5}}$

13)

a) 2

b) 4

c) -1

15) $x = 1000$

17)

a) $x = 2$

b) $x = 5$

c) $x = 1$

19) There is no power (exponent) of 10 that results in a negative number.

21) 1000 times stronger

23)

a) $pH = 13$

c) $pH = 0$