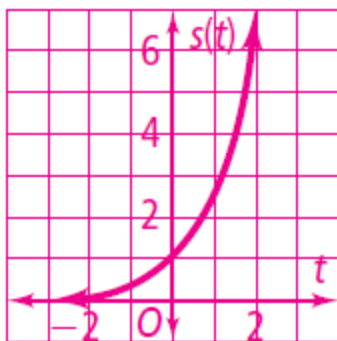


MRS22QCE/MPS21 –HW- 3

Please select the correct answer number for each question. There are more answers than questions. Answers may be repeated.

1) **0.9**

2) **1.03**



3)

4) **$y = 200,000(0.9925)^x$**

5) **\$11,851.59**

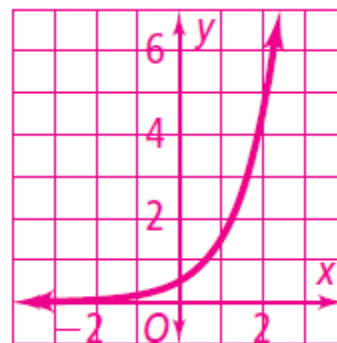
6) **decay; $\frac{2}{3}$**

7) **\$300,000**

8) **about \$2007.34**

9) **about 10.08 in.**

10) **1.28**



11)

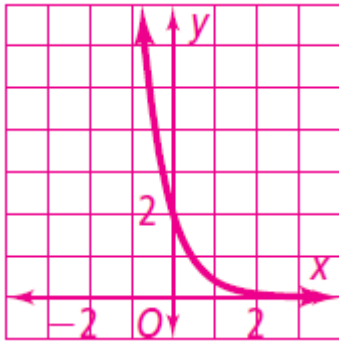
12) **\$426,648.05**

13) **\$2,568,247.87**

14) **about 17 years**

15) **decay; 0.99**

16) **$y = 48(0.677)^x$**



17)

18) **8100 bears**

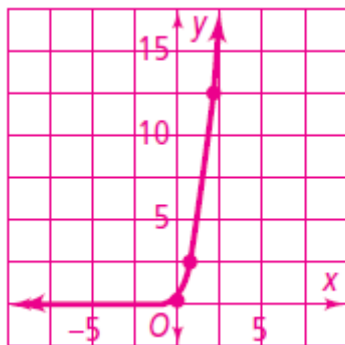
19) **0.95**

20) **$y = 18,000(0.75)^x$; \$5695.31**

21) **growth; 20**

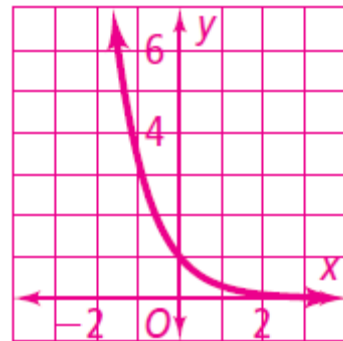
22) **1.45**

23) **0.6**



24)

25) **\$4810.70**



26)

27) **growth; 185**

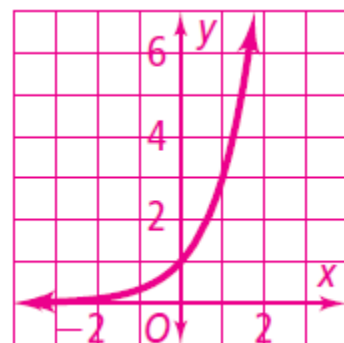
28) **3**

29) **growth; 0.25**

30) **almost 94,207 birds**

31) **growth; $\frac{1}{5}$**

32) **2**



33)

34) $y = 1,236,000(1.013)^x$; about 1,406,413

35) $y = 752,000(0.986)^x$; about 583,448

36) about 9 years