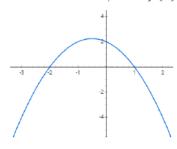
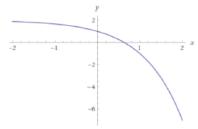
- 7. If f(x) is a function whose graph is shown below, then f(x) > 0 whenever
 - (A) x > 2
 - (B) x > 0
 - (C)-2 < x < 1
 - (D) x < -2 or x > 1



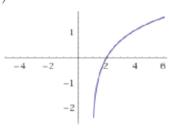
- 9. If $f(x) = \frac{x^2-5}{x+5}$, then f(a+2) =

 - (A) a 3(B) $\frac{a^2 + 4a 1}{a + 7}$ (C) $\frac{a^2 1}{a + 7}$ (D) $-\frac{1}{7}$
- 10. Which of the graphs below could be a sketch of $f(x) = -3^x + 2$?

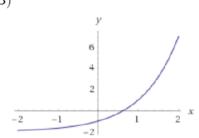
(A)



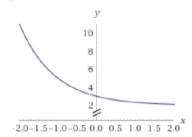
(C)



(B)

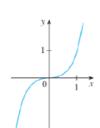


(D)

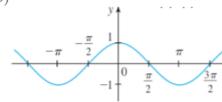


11. A function f is called even if f(-x) = f(x). Which of the functions shown below is even?

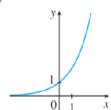
(A)



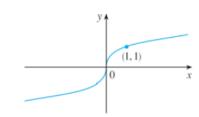
(C)



(B)



(D)

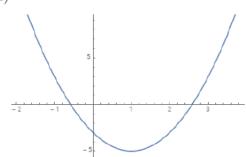


15. A population starts with 100 individuals and doubles in size every 5 years. How many individuals will there be in 25 years?

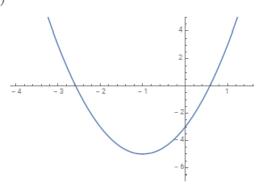
- (A)3200
- (B)500
- (C) 2500
- $(D) 100^5$

16. Which of the following graphs represents the graph of $y = 2x^2 - 4x - 3$?

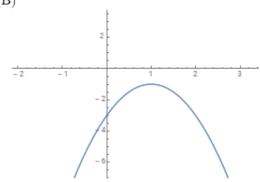
(A)



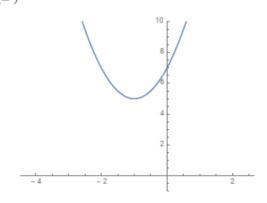
(C)



(B)



(D)



- 24. If the sides of a cube increase by a factor of 2, then the volume of the cube increases by a factor of
 - (A)2
 - (B)6
 - (C)8
 - (D) Not enough information to tell.