ICMAB Test 2 Review Part 2 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the Limit.

1.  2.  3. 

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

4.  5.  6. 

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

7.  8.  9. 

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

10.  11.  12. 

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

13.  14.  15. 

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

16.  17.  18. 

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_

19. Use the graph of *f*(x) below to answer A – C.



1. Use the 3 –part definition of continuity to show if *f*(x) is continuous at x = 3.
2. What type(s) of discontinuity are shown in the graph of *f*(x)?
3. Is there a removable discontinuity? If so, assign a value to remove it.

20. If , use the definition to show if *f*(x) continuous at x = 1.

21. If  use the definition to show if *h*(x) continuous at x = -2.

22. If , use the definition to show if *f*(x) continuous at x = -2.

23. When , then *f*(x) has continuous at a point of discontinuity. Assign a value to *f*(x)

 that removes the discontinuity.

24.

1.  B.  C. 

 D.  E. 

