Evaluate the following limits. **Show your work**.

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 
11. 
12. 
13. 
14. 
15. 
16. 
17. 
19. 
20. 
21. 
22. 
23. If  find  **Show your work**.
24. 







1. 
2. Find the discontinuities of.
3. Find the discontinuities of .
4. Find the values of  at which  is not continuous and determine if they are removable discontinuities at those points.
5. What value of will make continuous?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  |  | | --- | --- | | |  | | --- | | imageFor the function http://edugen.wileyplus.com/edugen/courses/crs6414/anton9780470647691/c01/math/math001.gif graphed in the accompanying figure, find | | | (a)  http://edugen.wileyplus.com/edugen/courses/crs6414/anton9780470647691/c01/math/math116.gif |  |  |  |  | | --- | --- | | (b) | http://edugen.wileyplus.com/edugen/courses/crs6414/anton9780470647691/c01/math/math117.gif | | (c) | http://edugen.wileyplus.com/edugen/courses/crs6414/anton9780470647691/c01/math/math118.gif |  |  |  | | --- | --- | | (d) | http://edugen.wileyplus.com/edugen/courses/crs6414/anton9780470647691/c01/math/math119.gif | | (e) | http://edugen.wileyplus.com/edugen/courses/crs6414/anton9780470647691/c01/math/math134.gif |  |  |  | | --- | --- | | (f) | http://edugen.wileyplus.com/edugen/courses/crs6414/anton9780470647691/c01/math/math135.gif | |