|  |  |  |
| --- | --- | --- |
| 1. | B | Jump Discontinuity because and |
| 2. | D | There is a jump discontinuity at . There are also infinite discontinuities at |
| 3. | C |  |
| 4. | A |  |
| 5. | C |  |
| 6. | D |  |
| 7. | B |  |
| 8. | A |  |
| 9. | E | II, III, and IV are correct |
| 10. | D | (Using L’Hospital’s Rule) |
| 11. | D |  |
| 12. | C |  |
| 13. | A |  |
| 14. | C |  |
| 15. | A |  |
| 16. | A ,B | III and IV |
| 17. | B |  |
| 18. | A |  |
| 19. | C |  |
| 20. | C |  |
| 21. | D |  |
| 22. | D |  |
| 23. | D |  |
| 24. | B |  |
| 25. | C |  |
| 26. | A |  |
| 27. | A |  |
| 28. | D |  |
| 29. | B |  |
| 30. | D |  |