**AP CALCULUS Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Limits Worksheet

1. lim 2. lim

x 2

x -1

3. lim 4. lim

x 25

x 3

5. lim 6. lim

x 2

x 6

7. lim 8. lim

x 0

x 3

9. lim 10. lim

x 0

x 0

11. Use the table feature on your calculator to find the limit.

 lim

x 0

12. lim 13. lim

x 9-

x 0-

14. Determine if the limit exists by evaluating each of the one-sided

 limits and checking if they are equal.

 lim where =

x 1

15. lim 16. lim

x

x

17. lim 18. lim

x

x

19. lim 20. lim

x

x

21. Find the slant asymptote of