

Not Female Server, but _____ Connect-the-Dots Puzzle

Evaluate. Take the limit. In order, connect the dots for the answers.

Start a new line.

1. $\lim_{x \rightarrow 2} (3x)$
2. $\lim_{x \rightarrow 2} (4x^2)$
3. $\lim_{x \rightarrow 0} \left(\frac{1}{x+4}\right)$
4. $\lim_{x \rightarrow \infty} \left(\frac{3x}{5x+2}\right)$
5. $\lim_{x \rightarrow \infty} \left(\frac{9}{x-9} + 12\right)$
6. $\lim_{x \rightarrow 9} (x+1)^2$
7. $\lim_{x \rightarrow 2} \frac{1}{(x+1)^2}$
8. $\lim_{x \rightarrow 3} \frac{2}{x(x-2)}$
9. $\lim_{x \rightarrow 5} (x+3)$
10. $\lim_{x \rightarrow 5} (x+4)$

11. $\lim_{x \rightarrow \infty} \left(\frac{1}{x+2} + 6\right)$
12. $\lim_{x \rightarrow \infty} \left(\frac{1}{x-7} + 20\right)$
13. $\lim_{x \rightarrow 3} (x-5)$
14. $\lim_{x \rightarrow 4} \left(\frac{1}{x+4} + 2\right)$
15. $\lim_{x \rightarrow 5} \left(\frac{1}{x+4} + 2\right)$
16. $\lim_{x \rightarrow 30} \left(\frac{1}{x+4} + 2\right)$
17. $\lim_{x \rightarrow 100} \left(\frac{1}{x+4} + 2\right)$
18. $\lim_{x \rightarrow \infty} \left(\frac{1}{x+4} + 2\right)$

Start a new line.

19. $\lim_{x \rightarrow 4} \left(\frac{3}{x+1} + 4\right)$
20. $\lim_{x \rightarrow 12} \left(\frac{3}{x+1} + 4\right)$
21. $\lim_{x \rightarrow 400} \left(\frac{3}{x+1} + 4\right)$
22. $\lim_{x \rightarrow \infty} \left(\frac{3}{x+1} + 4\right)$

Start a new line.

23. $\lim_{x \rightarrow \infty} \left(\frac{1}{x+4} + 15\right)$
24. $\lim_{x \rightarrow 0} (x^2 + 1)$
25. $\lim_{x \rightarrow 6} \frac{1}{x+4}$
26. $\lim_{x \rightarrow 4^+} \frac{1}{x+4}$
27. $\lim_{x \rightarrow 4^-} \frac{1}{x+4}$
28. $\lim_{x \rightarrow 1} (x+2)$
29. $\lim_{x \rightarrow \infty} \left(\frac{2}{2x+10} + 15\right)$
30. $\lim_{x \rightarrow \infty} \left(\frac{1}{x} - 5\right)$
31. $\lim_{x \rightarrow \infty} \left(\frac{1}{x-5} + 10\right)$

Start a new line.

32. $\lim_{x \rightarrow \infty} \frac{1}{x}$
33. $\lim_{x \rightarrow \infty} \left(\frac{1}{x-4} - 3\right)$
34. $\lim_{x \rightarrow \infty} \left(\frac{1}{x-4} - 4\right)$
35. $\lim_{x \rightarrow \infty} \left(\frac{2}{2x+5} + 7\right)$
36. $\lim_{x \rightarrow \infty} \frac{1}{x}$

