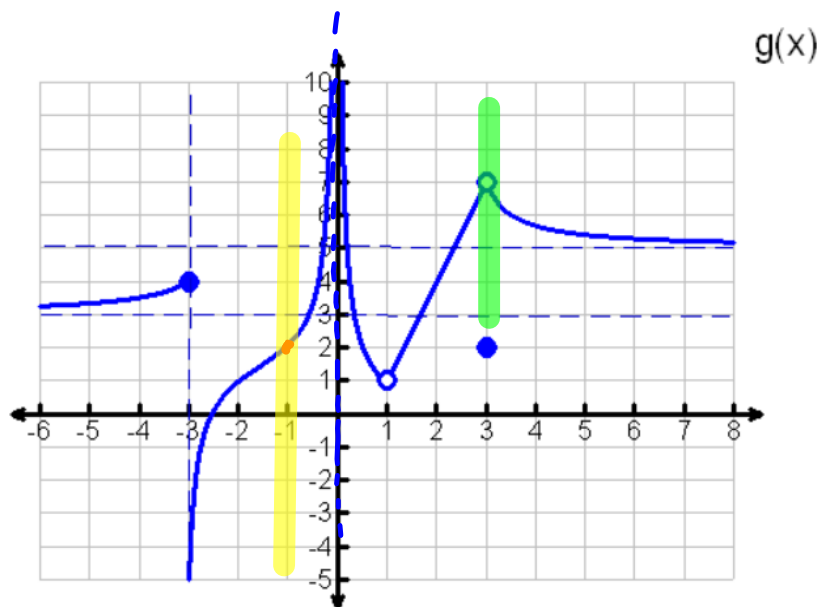


### Limits Graphically Worksheet Honors Calculus



Evaluate each of the following.

- |   |  |  |
|---|--|--|
| 1. $\lim_{x \rightarrow -3^+} g(x) = -\infty$ | 7. $g(-1) = 2$                             | 13. $g(1) = \text{und.}$                   |
| 2. $\lim_{x \rightarrow -3^-} g(x) = 4$       | 8. $g(0) = \text{und.}$                    | 14. $\lim_{x \rightarrow 3} g(x) = 7$      |
| 3. $\lim_{x \rightarrow 3} g(x) = \text{DNE}$ | 9. $\lim_{x \rightarrow 0} g(x) = +\infty$ | 15. $g(3) = 2$                             |
| 4. $g(-3) = 4$                                | 10. $\lim_{x \rightarrow 1^+} g(x) = 1$    | 16. $\lim_{x \rightarrow \infty} g(x) = 3$ |
| 5. $\lim_{x \rightarrow 1^-} g(x) = 2$        | 11. $\lim_{x \rightarrow 1^-} g(x) = 1$    | 17. $\lim_{x \rightarrow \infty} g(x) = 5$ |
| 6. $\lim_{x \rightarrow 1} g(x) = 2$          | 12. $\lim_{x \rightarrow 1} g(x) = 1$      |  |