- Standard 1.1: The graph of a function f can be seen at https://www.geogebra.org/m/umxxz97b. Based on this graph, what can you say about $\lim_{x\to 1} f(x)$ and $\lim_{x\to 2} f(x)$? Explain your answer.
- Standard 1.2: Suppose you know that $\lim_{x\to 3} f(x) = 3$ and $\lim_{x\to 3} g(x) = -2$. Determine the following limits if possible.

$$\lim_{x\to 3}(f(x) - 4g(x)) \qquad \lim_{x\to 3}(f(x)g(x)) \qquad \lim_{x\to 3} f(g(x))$$

  Justify your answer using properties of limits.
- Standard 1.3: Evaluate the following limits:

$$\lim_{x\to 3} \frac{x^2 - 5x + 6}{x^2 - 9} \quad \text{and} \quad \lim_{x\to 1} \frac{x - 1}{\sqrt{x} - 1}$$