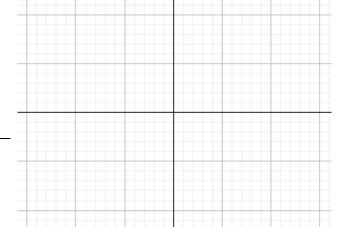
1. If $f(x) = \log_2(x^2 - 5x + 4)$,

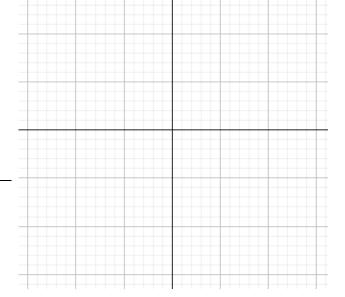
Find domain of f(x)

2. Consider $g(x) = 3^{x-2} - 4$. Without the help of an electronic device. Identify an interval of two consecutive integers where the x-intercept of g(x) falls in.



3. Graph g(x) from question 2, identify the x, y intercepts as well as the horizontal asymptote

4. Consider $h(x) = \log_{\sqrt{2}}(x-3)$, Graph h(x) on the coordinate plan provided and find x and y intercepts of h(x)



5. Find the inverse function of h(x) algebraically from question 4. Graph $h^{-1}(x)$ on the same coordinate plane with h(x) and identify its x and y intercepts

6. Evaluate $\log_6 2 + \log_6 3$