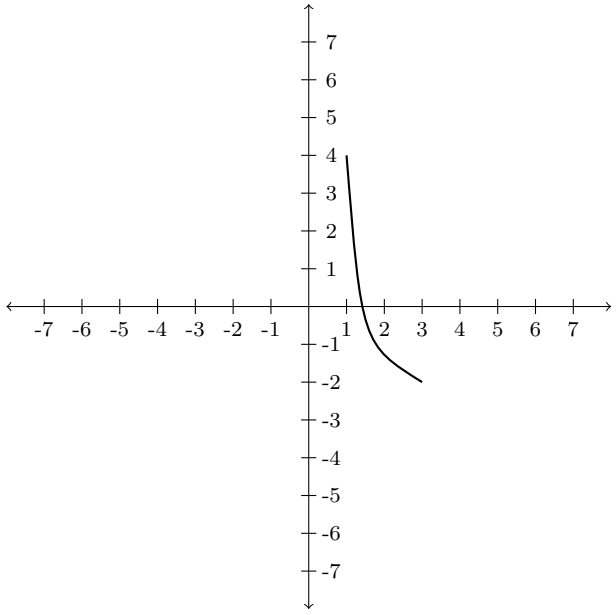
MATH 2: Group work 1

With your group mates, solve and prepare a presentation on your assigned problem. We will do an in-class presentation on Wednesday 8/16.:

1. Find t such that the point $(t, 3)$ is on the line containing $(1, -1)$ and $(4, 5)$.

2. Let l_1 be the line containing points $(2, -2)$ and $(0, 4)$. Let l_2 be the line perpendicular to l_1 containing the point $(3, \frac{3}{2})$. Find the equation for l_2.

3. If the graph of a function f looks like below:



Draw a graph of $g(x) = f(x + 1) - 5$. Find $g(0)$ and $g(2)$.

4. Find the domain of the function $f(x) = \sqrt{x - 1} + 1$. Draw the graph of f.