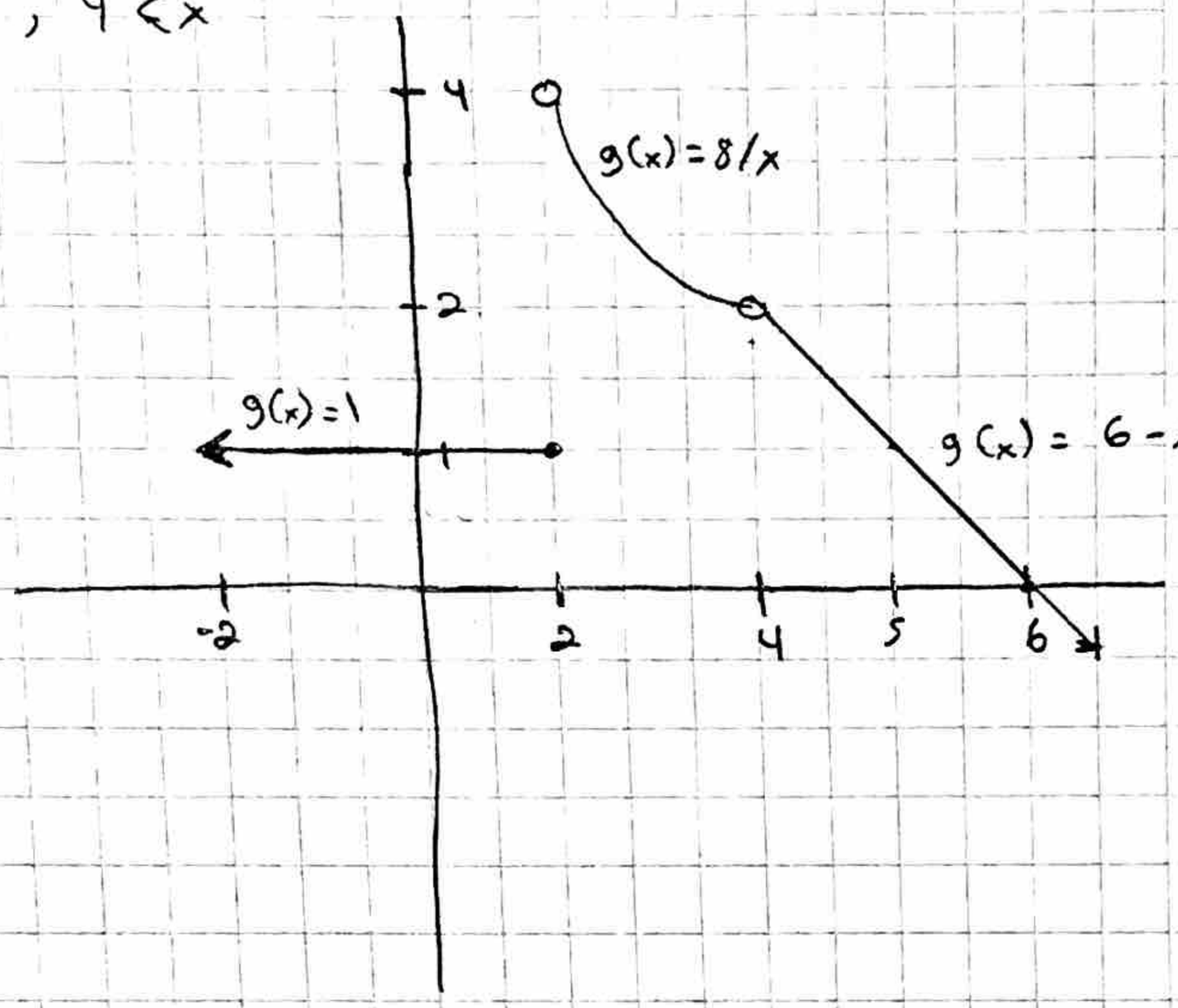
13. $g(x) = \begin{cases} 1, & x \le 2 \\ 8/x, & 2 < x < 4 \\ 6-x, & 4 < x \end{cases}$

Use definition to build graph



Determine Limit
Using Graph Not Definitions

$x = 0$

$\lim_{x \to 0^-} g(x) = 1$

$\lim_{x \to 0^+} g(x) = 1$

$\lim_{x \to 0} g(x) = 1$

$x = 2$

$\lim_{x \to 2^-} g(x) = 1$

$\lim_{x \to 2^+} g(x) = 4$

$\lim_{x \to 2} g(x) = DNE$

$x = 4$

$\lim_{x \to 4^-} g(x) = 2$

$\lim_{x \to 4^+} g(x) = 2$

$\lim_{x \to 4} g(x) = 2$

$x = 5$

$\lim_{x \to 5^-} g(x) = 1$

$\lim_{x \to 5^+} g(x) = 1$

$\lim_{x \to 5} g(x) = 1$