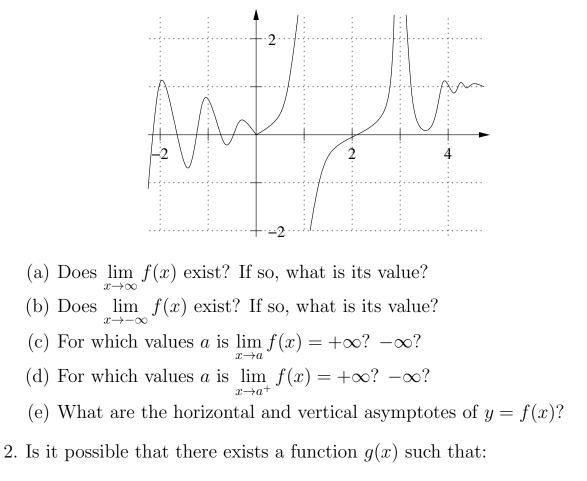
1. Suppose f(x) has the following graph:



$$\lim_{x \to \infty} g(x) = 4 \qquad \lim_{x \to -\infty} g(x) = 0 \qquad g(-4) = -3$$
$$\lim_{x \to 2^+} g(x) = 5 \qquad \lim_{x \to 2^-} g(x) = 3 \qquad g(2) = 2$$
$$\lim_{x \to 0^+} g(x) = +\infty \qquad \lim_{x \to 0^-} g(x) = +\infty \qquad g(0) = -5$$

If this is possible, draw one possible graph of g; if not, explain why it is not possible.