

- (1) **True or False.** If  $\lim_{x \rightarrow a} f(x) = \infty$  and  $\lim_{x \rightarrow a} g(x) = \infty$ , then  $\lim_{x \rightarrow a} [f(x) - g(x)] = 0$ .
- (a) True, and I am confident.
  - (b) True, and I am not confident.
  - (c) False, and I am not confident.
  - (d) False, and I am confident.

- (2) What is the maximum number of horizontal asymptotes that a function can have?
- (a) One
  - (b) Two
  - (c) Three
  - (d) As many as we want