

Part II Questions
AP Calc AB

1989 AB1

Let f be the function given by $f(x) = x^3 - 7x + 6$.

- (a) Find the zeros of f .
- (b) Write an equation of the line tangent to the graph of f at $x = -1$.

1989 AB4

Let f be the function given by $f(x) = \frac{x}{\sqrt{x^2 - 4}}$.

- (a) Find the domain of f .
- (b) Write an equation for each vertical asymptote to the graph of f .
- (c) Write an equation for each horizontal asymptote to the graph of f .
- (d) Find $f'(x)$.