

Asymptotes Quiz

1. Find the horizontal and vertical asymptotes for the following functions -

a.

$$f(x) = \frac{1}{2x^4 - \sqrt{4x^8 - 9x^4}}$$

b.

$$f(x) = \frac{12x^8 - 3}{3x^8 - 2x^7}$$

2. Find the slant and vertical asymptotes for the following function -

$$f(x) = \frac{4x^3 + x^2 + 7}{x^2 - x + 1}$$