

Calculus 12
9-7 Slant Asymptotes

1. Find the equation of the slant asymptote.

a) $y = \frac{2x - x^2 - 1}{x}$

b) $y = \frac{x^3 - 1}{x^2}$

c) $y = \frac{3x^2 + 4x + 2}{x + 1}$

d) $y = \frac{x^3 + 4x^2 + 5x + 16}{x^2 + 4}$