

Practice Quiz

1.  $\frac{5x^3 - x^3 + 6}{x - 4}$

2.  $\frac{2x^3 + x - 5}{x - 1}$

3.  $\frac{2x^4 - 5x^3 + 10x + 4}{x^2 - 3}$

4.  $\frac{5x^3 - 36}{x^2 - 12}$

5.  $\frac{7x^4 + x^2 + 12}{x^2 + 2}$

6. Find the vertical asymptotes for the following questions.

a.  $\frac{2x^3 + x^2 + x + 3}{2x + 6}$

b.  $\frac{x^4 + 3x^2 - 12}{x^2 - 9}$

c.  $\frac{5x^2 + 3}{x^3 - 8}$