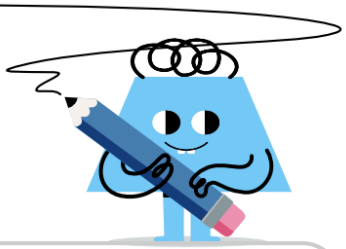
Name

Rational Functions and Asymptotes - Function to Degree Top and Bottom



1 What are the degrees of the numerator and denominator of this rational function?

$$f(x) = \frac{(x+2)}{4(x-4)}$$

A	Numerator degree: 3 Denominator degree: 2	B	Numerator degree: 1 Denominator degree: 1
C	Numerator degree: 1 Denominator degree: 2	D	Numerator degree: 2 Denominator degree: 1

2 What are the degrees of the numerator and denominator of this rational function?

$$f(x) = \frac{3(x+3)(x+2)(x-1)}{5(x+4)(x+1)(x-3)}$$

A	Numerator degree: 3 Denominator degree: 3	B	Numerator degree: 1 Denominator degree: 2
C	Numerator degree: 2 Denominator degree: 2	D	Numerator degree: 2 Denominator degree: 1

3 What are the degrees of the numerator and denominator of this rational function?

$$f(x) = \frac{(x-2)}{(x+2)x(x-3)}$$

A	Numerator degree: 1 Denominator degree: 3	B	Numerator degree: 2 Denominator degree: 3
C	Numerator degree: 2 Denominator degree: 1	D	Numerator degree: 1 Denominator degree: 2

4 What are the degrees of the numerator and denominator of this rational function?

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

A	Numerator degree: 1 Denominator degree: 3	B	Numerator degree: 1 Denominator degree: 1
C	Numerator degree: 2 Denominator degree: 3	D	Numerator degree: 2 Denominator degree: 1

5 What are the degrees of the numerator and denominator of this rational function?

$$f(x) = \frac{(x+1)x}{(x+4)}$$

A	Numerator degree: 2 Denominator degree: 3	B	Numerator degree: 2 Denominator degree: 1
C	Numerator degree: 2 Denominator degree: 2	D	Numerator degree: 3 Denominator degree: 3

6 What are the degrees of the numerator and denominator of this rational function?

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

A	Numerator degree: 1 Denominator degree: 1	B	Numerator degree: 1 Denominator degree: 3
C	Numerator degree: 2 Denominator degree: 1	D	Numerator degree: 2 Denominator degree: 2

7 What are the degrees of the numerator and denominator of this rational function?

$$f(x) = \frac{3(x-3)}{(x+4)(x+3)x}$$

A	Numerator degree: 3 Denominator degree: 2	B	Numerator degree: 2 Denominator degree: 3
C	Numerator degree: 3 Denominator degree: 3	D	Numerator degree: 1 Denominator degree: 3

8 What are the degrees of the numerator and denominator of this rational function?

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

A	Numerator degree: 3 Denominator degree: 3	B	Numerator degree: 2 Denominator degree: 1
C	Numerator degree: 1 Denominator degree: 1	D	Numerator degree: 3 Denominator degree: 2