Find the limit: $\lim_{x \to 2} \frac{x^3 - 8}{x - 2}$

Find the limit: $\lim_{x \to 81} \frac{\sqrt{x} - 9}{x - 81}$

Find the limit: $\lim_{x \to -5}$ of $\frac{2x^2 + 7x - 15}{x^2 + 4x - 5}$

Find the limit: $\lim_{x \to \infty} \frac{3x^2 - 5x - 5}{6x^2 - 4}$

Find the limit: $\lim_{x \to 3} \frac{x^2 - 3x}{x - 3}$

Find the limit: $\lim_{x \to 9} \frac{\sqrt{x} - 3}{x - 9}$

Find the limit: $\lim_{x \to -7} \frac{x^2 + 3x - 28}{x + 7}$

Find the limit: $\lim_{x \to 1}$ of $\frac{3x^2 + 3x - 6}{x^2 + 3x - 4}$

Limits: Factoring & Limits at Infinity · 2

ANSWER

$$\frac{1}{18}$$

Limits: Factoring & Limits at Infinity · 1

ANSWER

$$12$$

Limits: Factoring & Limits at Infinity · 4

ANSWER

$$\frac{1}{2}$$

Limits: Factoring & Limits at Infinity · 3

ANSWER

$$\frac{13}{6}$$

Limits: Factoring & Limits at Infinity · 6

ANSWER

$$\frac{1}{6}$$

Limits: Factoring & Limits at Infinity · 5

ANSWER

$$3$$

Limits: Factoring & Limits at Infinity · 8

ANSWER

$$\frac{9}{5}$$

Limits: Factoring & Limits at Infinity · 7

ANSWER

$$-11$$

Find the limit: $\lim_{x \to -4} \frac{x^3 + 64}{x + 4}$

Find the limit: $\lim_{x \to 25} \frac{\sqrt{x} - 5}{x - 25}$

Find the limit: $\lim_{x \to -2}$ of $\frac{2x^2 + 7x + 6}{x^2 + 3x + 2}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{-7x^3 - 9x^2 - 8}{x^3 - 2}$

Find the limit: $\lim_{x \to 7} \frac{x^2 - 5x - 14}{x - 7}$

Find the limit: $\lim_{x \to 4} \frac{\sqrt{x} - 2}{x - 4}$

Find the limit: $\lim_{x \to -4}$ of $\frac{2x^2 + 9x + 4}{x^2 + 2x - 8}$

Find the limit: $\lim_{x \to 16} \frac{\sqrt{x} - 4}{x - 16}$

Limits: Factoring & Limits at Infinity · 10

ANSWER

$$\frac{1}{10}$$

Limits: Factoring & Limits at Infinity · 9

ANSWER

48

Limits: Factoring & Limits at Infinity · 12

ANSWER

-7

Limits: Factoring & Limits at Infinity · 11

ANSWER

1

Limits: Factoring & Limits at Infinity · 14

ANSWER

$$\frac{1}{4}$$

Limits: Factoring & Limits at Infinity · 13

ANSWER

9

Limits: Factoring & Limits at Infinity · 16

ANSWER

$$\frac{1}{8}$$

Limits: Factoring & Limits at Infinity · 15

ANSWER

$$\frac{7}{6}$$

Find the limit: $\lim_{x \to -2}$ of $\frac{x^3 + 8}{x + 2}$

Find the limit: $\lim_{x \to 36}$ of $\frac{\sqrt{x} - 6}{x - 36}$

Find the limit: $\lim_{x \to 4}$ of $\frac{3x^2 - 18x + 24}{x^2 - 5x + 4}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{6x^2 + 8x}{4x^2 - 3}$

Find the limit: $\lim_{x \to -5}$ of $\frac{x^2 + 8x + 15}{x + 5}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{9x^3 - 2x^2 + 1}{5x^3 + 3}$

Find the limit: $\lim_{x \to 5}$ of $\frac{x^2 - 7x + 10}{x^2 - 11x + 30}$

Find the limit: $\lim_{x \to -4}$ of $\frac{x^2 + 10x + 24}{x^2 + 4x}$

Limits: Factoring & Limits at Infinity · 18

ANSWER

$$\frac{1}{12}$$

Limits: Factoring & Limits at Infinity · 17

ANSWER

$$12$$

Limits: Factoring & Limits at Infinity · 20

ANSWER

$$\frac{3}{2}$$

Limits: Factoring & Limits at Infinity · 19

ANSWER

$$2$$

Limits: Factoring & Limits at Infinity · 22

ANSWER

$$\frac{9}{5}$$

Limits: Factoring & Limits at Infinity · 21

ANSWER

$$-2$$

Limits: Factoring & Limits at Infinity · 24

ANSWER

$$\frac{1}{-2}$$

Limits: Factoring & Limits at Infinity · 23

ANSWER

$$-3$$