Find the limit: $\lim_{x \to -4}$ of $\frac{x^2 - 3x - 28}{x + 4}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{-8x^3 + x^2 - 7}{3x^3 + 6}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{9x + 8}{-4x^2 + 9x + 5}$

Find the limit: $\lim_{x \to 4}$ of $\frac{x^2 + x - 20}{x^2 - 10x + 24}$

Find the limit: $\lim_{x \to 1}$ of $\frac{x^2 - 5x + 4}{x^2 - 3x + 2}$

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

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

Find the limit: $\lim_{x \to \infty}$ of $\frac{5x - 4}{-5x^2 + 9x - 1}$

Limits: Factoring & Limits at Infinity · 2

ANSWER

$$\frac{8}{-3}$$

Limits: Factoring & Limits at Infinity · 1

ANSWER

$$-11$$

Limits: Factoring & Limits at Infinity · 4

ANSWER

$$\frac{9}{-2}$$

Limits: Factoring & Limits at Infinity · 3

ANSWER

$$0$$

Limits: Factoring & Limits at Infinity · 6

ANSWER

$$4$$

Limits: Factoring & Limits at Infinity · 5

ANSWER

$$3$$

Limits: Factoring & Limits at Infinity · 8

ANSWER

$$0$$

Limits: Factoring & Limits at Infinity · 7

ANSWER

$$\frac{3}{4}$$

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

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

Find the limit: $\lim_{x \to 1}$ of $\frac{\sqrt{x} - 1}{x - 1}$

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

Find the limit: $\lim_{x \to -5}$ of $\frac{x^2 + 2x - 15}{x^2 - 25}$

Find the limit: $\lim_{x \to -3}$ of $\frac{x^2 - 4x - 21}{x + 3}$

Find the limit: $\lim_{x \to 1}$ of $\frac{3x^2 + 2x - 5}{x^2 + 4x - 5}$

Find the limit: $\lim_{x \to \infty}$ of $\frac{9x^3 + 3x^2 - 5}{-6x^3 - 7}$

Limits: Factoring & Limits at Infinity · 10

ANSWER

$$12$$

Limits: Factoring & Limits at Infinity · 9

ANSWER

$$-1$$

Limits: Factoring & Limits at Infinity · 12

ANSWER

$$-2$$

Limits: Factoring & Limits at Infinity · 11

ANSWER

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

Limits: Factoring & Limits at Infinity · 14

ANSWER

$$-10$$

Limits: Factoring & Limits at Infinity · 13

ANSWER

$$\frac{4}{5}$$

Limits: Factoring & Limits at Infinity · 16

ANSWER

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

Limits: Factoring & Limits at Infinity · 15

ANSWER

$$\frac{4}{3}$$

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

Find the limit: $\lim_{x \to -4} \frac{x + 4}{x^2 - 16}$

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

Find the limit: $\lim_{x \to \infty}$ of $\frac{5x^2 + 2x + 8}{-6x^2 + 7}$

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

Find the limit: $\lim_{x \to 3} \frac{x^3 - 27}{x - 3}$

Find the limit: $\lim_{x \to -3} \frac{x^2 - x - 12}{x + 3}$

Find the limit: $\lim_{x \to 4} \frac{x - 4}{x^2 - 16}$

Limits: Factoring & Limits at Infinity · 18

ANSWER

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

Limits: Factoring & Limits at Infinity · 17

ANSWER

$$-4$$

Limits: Factoring & Limits at Infinity · 20

ANSWER

$$\frac{5}{-6}$$

Limits: Factoring & Limits at Infinity · 19

ANSWER

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

Limits: Factoring & Limits at Infinity · 22

ANSWER

$$27$$

Limits: Factoring & Limits at Infinity · 21

ANSWER

$$-6$$

Limits: Factoring & Limits at Infinity · 24

ANSWER

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

Limits: Factoring & Limits at Infinity · 23

ANSWER

$$-7$$